

**Overview - Table of Contents**

<b><u>Section</u></b>	<b><u>Name</u></b>
30.02.02.02.01	Reuse Strategy
30.02.02.02.02	Quality Assurance
30.02.02.02.03	User Manual
30.02.02.02.04	Design Methodology
30.02.02.02.05	Design Status
30.02.02.02.06	Development/Operational Environment



**Reuse Strategy**

Since this development effort is primarily a series of modifications to an existing module in NASA TechTracS, extensive re-use of existing forms and reports will be made. The tools and objects currently in use in NASA TechTracS will be employed where appropriate. These include:

- Custom find methods
- Streamlined relate methods (Relate pop-up)
- Page navigation methods (More pop-up)
- Record navigation methods (Record pop-up)
- List Manager pop-up menus
- Full screen text edit windows
- People and Company autolinking (Business Card buttons)
- Keyword management module
- Auto Agent/Personal Agent batch processing
- Record maintenance audit (I button)
- Standard List window methods
- Standard Record window methods



## **Quality Assurance**

In order to maintain high quality design and construction the following QA elements will be incorporated:

- All program code must adhere to defined standards, especially in the area of method, form and object naming conventions. The support website contains details of these in the "Coding and Structure Rules" link. More in depth programming standards are also on the support site via the "KSS 4D Programming Rules"
- All system interfaces must also adhere to NASA defined standards. The support website contains these "NASA TechTracS Interface Standards".
- All errors discovered during any formal testing will be recorded in the online Bug Reporting System. This will help ensure that errors are not identified more than once and that they are properly resolved.
- Unit Tests of discrete components will be performed by the developer. These components will be identified in the Detailed Development Plan. As far as is practicable, the goal of this testing is to prove that a given software component performs as designed before it is exposed to the larger environment of integration or system testing. For example, each method should be unit tested to verify proper use of passed parameters and, if appropriate, returned results. Developers will also verify that the components adhere to the Component Checklists as part of the Unit Test. See the Component Reviews below for more details.
- Developers will perform source code tracing where appropriate to prove that the code executes as expected. Research has shown that regular use of source code tracing and unit testing will identify many errors early in the development cycle. Errors identified early are more easily and more cost-effectively resolved.

- Component Reviews will be conducted by an appointed reviewer(s) and reported to the developer. The Component Review Checklists will be used to ensure consistent review quality. Once a component has passed its review, it may participate in integration testing. Part of the review will include an analysis of the component by scanning TechTracS source with SanityCheck from Foresight Solutions. SanityCheck is an application that will perform a read-only scan of the 4th Dimension™ structure file. SanityCheck sifts through the structure file looking for common programming problems as well as checking the integrity of all objects (Forms, Methods, etc) within the structure file. The component checklists are also available on the support site for the following links: Construction Component Checklist", "Form Checklist", "Structure Checklist", and "Code Checklist".
- Integration Tests will be conducted to ensure that all new or modified components perform as expected when combined with other elements of NASA TechTracS. Due to the integrated nature of the TechTracS development process, extensive, detailed integration testing is inappropriate. However, sufficient testing should be performed to ensure compatibility with other components of the system.
- System Tests will be combined with testing of other modifications that are scheduled for the same release. A system test sequence will be developed to fully validate that the modifications have been properly implemented. After release, the system test sequence should be incorporated into regression test plans for future modifications.

**User Manual**

The Commercialization section of the TechTracS User Manual will be revised to reflect the changes detailed herein. The revision shall contain detailed descriptions of the operations available to the user and will be prepared as an independent document that can be manually inserted into the existing user manual and will also be made available electronically as a PDF file.

The following documents will be updated to reflect the changes and additions caused by the development of the module:

- \* TechTracS Technical Documentation (WAN Jobs - 07.27.3) : This document will be updated to include the WAN job that will be created to maintain the Corp Tech Group & Sub Group codes.
- \* TechTracS Module Documentation (TT View - 01.04.03) : This document will be updated to reflect the changes and additions made to the TT View.
- \* TechTracS Module Documentation (Commercialization Module - XX) : This document will contain the user manual for this module.





## **Design Methodology**

Since this is a modification to the existing Commercialization module as viewed from the [Technology] table in NASA TechTracS, the standard "NASA TechTracS Design Methodology" shall be followed. See the support site for these methodologies.

The standards currently used in NASA TechTracS will be employed and extended as detailed herein:

- \* The selection of the Corp Tech Group & Sub Group codes will used the same sort of interface as the selection of the SIC codes.



## **Development and Operational Environment**

Modifications to NASA TechTracS are required to be compatible with the following processors and operating systems:

1. Intel Pentium - Windows 95, Windows 98, Windows NT 4
2. Motorola PowerPC - Mac OS 8.x



## Requirements Matrix

The Requirements Matrix is key map denoting what areas of development are necessary to fully satisfy the requirements. The "Req." column refers to the Requirement Number corresponding to that used in the Requirements Document for this mod. The remaining columns list the Structure, Record Form/Custom Dialog, List Form/Find Dialog, Custom Report and Major Method items created or modified to meet the specified requirement number. Details on these items can be found in the Detailed Development Plan section.

Requirements Matrix

Req.	Structure	Record Form	List Form	Report	Method
1.		[Technology]Input.T			
2.	[Technology]	[Technology]Input.T			remPOCArrays
3.	[Technology]	[Technology]Input.T			DoView015_2T DoView015_6T DoView015_7T DoView015_8T
4.	[Comm_Eval_Criteria]  [Tech_Comm_Eval_Criteria]				
5.		[Comm_Eval_Criteria]Input  [Tech_Comm_Eval_Criteria]Input	[Comm_Eval_Criteria]Output  [Tech_Comm_Eval_Criteria]Output  [Technology]Output		DoViewXXX_X
6.		[Tech_Comm_Eval_Criteria]Calc_Sheet.dlog			Tech_CalcComm PotentialScore

Requirements Matrix

Req.	Structure	Record Form	List Form	Report	Method
<del>7.</del>					
<del>8.</del>					
9.		[Technology]Input.T			
10.		[Technology]Input.T			
11.	[Corp_Tech_Group]  [CTG_SubGroup]  [Tech_CTG_Codes]  [People_CTG_Codes]  [Company_CTG_Codes]				<b>Com_CTGCode Selector</b>
12.		[Corp_Tech_Group]Input  [CTG_SubGroup] Simple Input  [CTG_SubGroup] Input	[Corp_Tech_Group]Output  [CTG_SubGroup] Output		<b>DoViewXXX_X WanCTGCodes</b>
13.		[Corp_Tech_Group]CodeSelector .dlog  [Technology]Input.T  [People]Input  [Company]Input			<b>DoView011_5 DoView012_5 DoView015_7T</b>

Requirements Matrix

Req.	Structure	Record Form	List Form	Report	Method
<del>14.</del>					
15.	[Tech_Comm_Activities]	[Tech_Comm_Activities]Input	[Technology] Output [Tech_Comm_Activities]Output		
16.		[Technology]Input.T [Tech_Comm_Activities]Simple Input			
17.	[Commercial_Leads]	[Technology]Input.T [Commercial_Leads] Input [Commercial_Leads] SimpleAdd	[Technology] Output		
18.	[Publications]	[Technology]Input.T [Publications]Simple Add [Publications]Input			





## Detailed Development Plan - Table of Contents

<u>Section</u>	<u>Name</u>
30.02.04.01	Introduction
30.02.04.02	Structure
30.02.04.03	Record Forms/Custom Dialogs
30.02.04.04	List Forms/Find Dialogs
30.02.04.05	Custom Reports
30.02.04.06	Major Methods
30.02.04.07	Corp Tech Group Codes



**Introduction**

This modification is a redesign of the existing NASA TechTracS FY2000.01 module. The changes include modifications to existing tables in addition to new tables and fields. Display forms are redesigned to accommodate the database changes.



**Structure**

In order to support the requirements of this modification, changes and additions to the existing NASA TechTracS database structure must be performed.

NOTE: Bold field names denote index fields.

**[Technology]**

**Structure Revision:** Modification

**Table Name:** [Technology]

**OkToAddRecords:** Yes

**OKToDeleteRecs:** Yes

**HQ WAN:** Yes

**NTAS WAN:** Yes

**Description:** The [Technology] table is the primary data repository for technology related information. The following fields are new.

[Technology ] Structure Modifications

Req.	Field Name	Description	Type
2	Commercial_Potential_Score	This field records the Commercial Potential Evaluation score that was entered by the user or calculated from a spreadsheet dialog when the user clicked on the <i>Commercial Potential</i> button.	Real (R)
2	Commercial_Status	This field shows where the technology is in Commercialization Process.	Alpha 80 (A80)
2	Commercial_Status_Date	Shows the date when the Commercial Status Field was last updated.	Date (D)
2	Commercial_Team_Decision	This field is used to track the Commercial Team decision on a Technology.	Text (T)
2	Marketing_POC	This field stores the people code of the person selected as the Marketing Point of Contact.	Longint (L)

[Technology ] Structure Modifications (cont.)

Req.	Field Name	Description	Type
2	Technical_POC	This field stores the people code of the person selected as the Technical Point of Contact.	Longint (L)
2	Partnerships	This field is used as an indicator to show if any partnerships are related to the technology. If there are any partnerships this field will be set to "TRUE". If there are no partnerships, this field will be set to False	Boolean (B)
2	Potential_Application	This field will be used to note any potential application areas.	Text (T)
2	Presentation_Available	This field is used as an indicator to show if there is a presentation available on the selected technology.	Boolean (B)
2	Demo_Available	This field is used as an indicator to show if there is a demo available on the selected Technology.	Boolean (B)

[Comm\_Eval\_Criteria]

**Structure Revision:** New

**Table Name:** [Comm\_Eval\_Criteria]

**OkToAddRecords:** Yes

**OKToDeleteRecs:** Yes

**HQ WAN:** No

**NTAS WAN:** No

**Description:** The [Comm\_Eval\_Criteria] (**Commercial Evaluation Criteria**) table is a master table that contains a center's default values to be used in obtaining a technology's commercial potential score.

[Comm\_Eval\_Criteria] Structure Table

Req.	Field Name	Description	Type
4	ID	Internal TechTracS record identification number.	Longint (L)
4	Criteria Name	The criteria name.	Alpha 50 (A50)
4	Weight	This field contains the percentage value that indicates the importance of the criteria.	Longint (L)
4	Default	This field is an indicator that the criteria is to be used all the time when evaluating a technology's commercial potential score.	Boolean (B)

**[Tech\_Comm\_Eval\_Criteria]****Structure Revision:** New**Table Name:** [Tech\_Comm\_Eval\_Criteria]**OkToAddRecords:** Yes**OKToDeleteRecs:** Yes**HQ WAN:** Yes**NTAS WAN:** Yes

**Description:** The [Tech\_Comm\_Eval\_Criteria] (**Technology Commercial Evaluation Criteria**) table is a many table to the [Technology] table. It will contain the criteria, weight and score that was used to determine a Technology's Commercial Potential.

[Tech\_Comm\_Eval\_Criteria] Structure Table

Req.	Field Name	Description	Type
4	<b>ID</b>	Internal TechTracS record identification number.	Longint (L)
4	<b>Case_Number</b>	The Identification Number of the related Technology	Alpha 16 (A16)
4	Criteria Name	The criteria name.	Alpha 50 (A50)
4	Weight	This field contains the percentage value that indicates the importance of the criteria.	Longint (L)
4	Score	A numerical value of the user's assessment of the criteria.	Real (R)
4	Total	This field contains the result of the weight percentage applied to the score value entered by the user.	Real (R)



**[Corp\_Tech\_Group]****Structure Revision:** New**Table Name:** [Corp\_Tech\_Group]**OkToAddRecords:** Yes**OKToDeleteRecs:** Yes**HQ WAN:** Yes**NTAS WAN:** Yes**Description:** The [Corp\_Tech\_Group] table is a master table that stores the Corp Tech Group codes and their description.**[Corp\_Tech\_Group] Structure Table**

Req.	Field Name	Description	Type
11	<b>CTG_Code</b>	The three character group code.	Alpha 3 (A3)
11	Description	The code's description.	Alpha 80 (A80)

**[CTG\_SubGroup]****Structure Revision:** New**Table Name:** [CTG\_SubGroup]**OkToAddRecords:** Yes**OKToDeleteRecs:** Yes**HQ WAN:** Yes**NTAS WAN:** Yes

**Description:** The [CTG\_SubGroup] table is a many table to the [Corp\_Tech\_Group] table. It will contain the sub groups of the main groups stored in the [Corp\_Tech\_Group].

[CTG\_SubGroup] Structure Table

Req.	Field Name	Description	Type
11	<b>ID</b>	Internal TechTracS record identification number.	Longint (L)
11	<b>CTG_ID</b>	The Identification Number of the related Corp Tech Group Record.	Longint (L)
11	SG_Code	The five character Sub Group Code.	Alpha 6 (A6)
11	Description	A description of the Sub Group Code.	Alpha 80 (A80)

**[Tech\_Org\_Codes]****Structure Revision:** New**Table Name:** [Tech\_Org\_Codes]**OkToAddRecords:** Yes**OKToDeleteRecs:** Yes**HQ WAN:** Yes**NTAS WAN:** Yes

**Description:** The [Tech\_Org\_Codes] (was **Technology Corp Tech Group Codes**) table is a many table to the [Technology] table (it was also the many table to the [CTG\_SubGroup] table). It will contain the Corp Tech Sub Group Codes that are associated with a given Technology record.

**[Tech\_Org\_Codes] Structure Table**

Req.	Field Name	Description	Type
11	<b>ID</b>	Internal TechTracS record identification number.	Longint (L)
11	<b>Technology_ID</b>	The Identification Number of the related Technology Record.	Longint (L)
11	Tech_Org_Code	The Identification Number of the Sub Group Code Record.	Longint (L)

**[People\_CTG\_Codes]****Structure Revision:** New**Table Name:** [People\_CTG\_Codes]**OkToAddRecords:** Yes**OKToDeleteRecs:** Yes**HQ WAN:** Yes**NTAS WAN:** Yes

**Description:** The [People\_CTG\_Codes] (**People Corp Tech Group Codes**) table is a many table to the [People] table and the [CTG\_SubGroup] table. It will contain the Corp Tech Sub Group Codes that are associated with a given People record.

[People\_CTG\_Codes] Structure Table

Req.	Field Name	Description	Type
11	<b>ID</b>	Internal TechTracS record identification number.	Longint (L)
11	<b>People_Code</b>	The Identification Number of the related People Record.	Longint (L)
11	CTG_Code	The three character group code.	Alpha 3 (A3)
11	CTG_Descrip	The CTG code's description.	Alpha 80 (A80)
11	SG_Code	The five character Sub Group Code.	Alpha 6 (A6)
11	SG_Descrip	A description of the Sub Group Code.	Alpha 80 (A80)

**[Company\_CTG\_Codes]****Structure Revision:** New**Table Name:** [Company\_CTG\_Codes]**OkToAddRecords:** Yes**OKToDeleteRecs:** Yes**HQ WAN:** Yes**NTAS WAN:** Yes

**Description:** The [Company\_CTG\_Codes] (**Company Corp Tech Group Codes**) table is a many table to the [Company] table and the [CTG\_SubGroup] table. It will contain the Corp Tech Sub Group Codes that are associated with a given Company record.

**[Company\_CTG\_Codes] Structure Table**

Req.	Field Name	Description	Type
11	<b>ID</b>	Internal TechTracS record identification number.	Longint (L)
11	<b>Company_Code</b>	The Identification Number of the related Company Record.	Longint (L)
11	CTG_Code	The three character group code.	Alpha 3 (A3)
11	CTG_Descript	The CTG code's description.	Alpha 80 (A80)
11	SG_Code	The five character Sub Group Code.	Alpha 6 (A6)
11	SG_Descript	A description of the Sub Group Code.	Alpha 80 (A80)

[Tech\_Comm\_Activities]**Structure Revision:** New**Table Name:** [Tech\_Comm\_Activities]**OkToAddRecords:** Yes**OKToDeleteRecs:** Yes**HQ WAN:** Yes**NTAS WAN:** Yes

**Description:** The [Tech\_Comm\_Activities] (**Technology Commercial Activities**) table is a many table to the [Technology] table. It will contain the Commercial Marketing Activities that are associated with a given Technology record.

[Tech\_Comm\_Activities] Structure Table

Req.	Field Name	Description	Type
15	<b>ID</b>	Internal TechTracS record identification number.	Longint (L)
15	<b>Case_Number</b>	The Identification Number of the related Technology Record.	Alpha 16 (A16)
15	Type_Of_Activity	This field shows the Marketing Activity like (Trade Show, Conferences, ... etc.).	Alpha 40 (A40)
15	Location	The location of the activity.	Alpha 40 (A40)
15	Date	The date the activity occurred.	Date (D)
15	Comments	This field stores any notes the user has about the activity.	Text (T)

**[Commercial\_Leads]****Structure Revision:** Modification**Table Name:** [Commercial\_Leads]**OkToAddRecords:** Yes**OKToDeleteRecs:** Yes**HQ WAN:** Yes**NTAS WAN:** Yes

**Description:** The [Commercial\_Leads] table (was [NASA\_Leads]) is the primary data repository for technology related information. The following field will be added in "MOD 60 - NASA Leads Enhancements".

**[Publication] Structure Modification**

Req.	Field Name	Description	Type
17	Comp_Info_Sensitive	A boolean indicator to show if the company information in the [Commercial_Leads] record is sensitive.	Boolean (B)

**[Publication]****Structure Revision:** Modification**Table Name:** [Publication]**OkToAddRecords:** Yes**OKToDeleteRecs:** Yes**HQ WAN:** Yes**NTAS WAN:** Yes

**Description:** The [Publication] table is a many table to the [Technology] table. It contains information about any publications that are associated with a given Technology record. The following field is being added to this table.

**[Publication] Structure Modification**

Req.	Field Name	Description	Type
18	Hardcopy_Available	A boolean indicator to show if a hardcopy of the publication is available.	Boolean (B)



## Record Forms/Custom Dialogs

The following record forms (data input windows) and custom dialogs need to be added or modified as result of this mod.

### [Technology]Input.T

<b>Form Name:</b> [Technology]Input.T
<b>New or Modified:</b> Modified
<b>Menu Bar:</b> -2
<b>Description:</b> Three new pages will need to be inserted in to the current [Technology]Input.T form. These pages will contain the new fields mention in the Structure section of this document. In addition to the the new pages and fields, some existing fields will be moved around or duplicated in order to accommodate the module. The page order of the form will change as a result of the new pages being added.

Page(s)

Page Number	Name	New
1.	General	No
2.	Abstract/Keywords	Mod
3.	Related Cases	No
4.	Internal Assessment	No
5.	External Assessment	No
6.	Commercialization General Information	Yes
7.	Commercialization Potential	Yes

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		Page(s)
Page Number	Name	New
8.	Commercialization Activities	Yes
9.	TOPs/License	No
10.	Patent Info	No
11.	TechBrief Prep	No
12.	TechBrief Publish	No
13.	Awards	No
14.	Chronology	No
15.	Tech Program Areas	No

**Page Number:** 2 (Modification)**Page Name:** Abstract/Keywords**Method(s):** DoView015\_2T

Fields Used on Page 2

Req.	Field Name	Label	Enterable
3	[Technology]Case_Number	Case No.	No
3	[Technology]Report_As	Report As	No
3	[Technology]Technology_Transfer_Abstract	Technology Transfer Abstract	Yes

Other Objects Used on Page 2

Req.	Type	Description
3	Button	<i>Text Editor</i> : This will allow the user to edit the text in the "Technology Transfer Abstract" field in a larger text area.
3	Button	<i>Load 1679 Brief Abstract</i> : This button will copy the contents of the "1679 Brief Abstract" field and place it in the "Technology Transfer Abstract" field.
1	Button	<i>Text Editor</i> : This will allow the user to edit the text in the "Potential Commercial Applications Abstract." field in a larger text area.
3	Variable (Longint)	The variable "kw_IKeywordCount" shows the number of keywords that are related to the current [Technology] record.
3	Button	The "+" button in the keyword section allows the user to add a keyword to the current [Technology] record.

## Other Objects Used on Page 2

Req.	Type	Description
3	Button	The "-" button in the keyword section will removed the selected keyword from the keyword list for the current [Technology] record.
3	Variable (Array String)	The variable "kw_asWords" shows the keywords that are associated with the current [Technology] record.
3	Button	<i>Add</i> : This button is for adding an "ORG Code" to be associated with the current [Technology] record.
3	Button	<i>Delete</i> : This button is for removing a "ORG Code".
3	Subform	[Tech_Org_Codes]Included form, standard behavior.

## Special Processing on Page 2


No modifications to the current special processing will be done.







Mockup of the Modifications Made to the Abstract/Keywords Area of Technology

Mod 30 Mockups


Case No.  Report As



Abstract/Keywords

Technology Transfer Abstract  [Load 1679 Brief Abstract](#)

 Accept  
 Cancel  
 Record  
 More  
 Print  
 Help

IT View

 TechTracS

Keywords  

ORG Code   
[Add](#)  
[Delete...](#)

**Page Number:** 6**Page Name:** Commercialization General Information

**Method(s):** **DoView015\_6T** : This method will load the pop-up arrays with the contact names for the TTransfer POC and the Marketing POC and fill in the names for these positions in their appropriate variables. The method will also check for [Partnership] records associated with the current [Technology] record and set the *Partnership Radio Button* accordingly.

Fields Used on Page 6

Req.	Field Name	Label	Enterable
1	[Technology]Case_Number	Case No.	No
1	[Technology]Report_As	Report As	No
1	[Technology]NTR_Title	NTR Title	Yes
1	[Technology]Commercial_Potential_Score	Potential Evaluation	Yes
1	[Technology]Commercial_Status	Commercial Status	Yes
1	[Technology]Commercial_Status_Date	<No Label. Will be placed next to the Status.>	Yes
1	[Technology]Commercial_Team_Decision	Commercial Team Decision	Yes
1	[Technology]TB_On_Hold	On Hold	Yes
1	[Technology]Release_To_Public	Release To Public	Yes
1	[Technology]Presentation_Available	Presentation Available	Yes
1	[Technology]Demo_Available	Demo Available	Yes
1	[Technology]Partnerships	Partnership(s)	No

Other Objects Used on Page 6

Req.	Type	Description
1	Button	<i>Potential Evaluation...</i> : When this button is clicked, a dialog will appear that contains a spreadsheet with some default criteria displayed that will allow the user to enter some values to determine the Commercial Potential Score.
1	Button	<i>Text Editor</i> : This button will allow the user to edit the text in the "Commercial Team Decision" field in a larger text area.
1	Pop-up	Located under TTransfer POC field label, contains list of people's names from which the user can select the TTransfer POC. The names in this popup are people whose "People Type" list contains "TTransfer POC".
1	Variable (Alpha 50)	Variable that contains the TTransfer POC's name.
1	Pop-up	Located under Marketing POC field label, contains list of people's names from which the user can select the Marketing POC. The name in this popup are people whose "People Type" list contains "Marketing POC".
1	Variable (Alpha 50)	Variable that contains the Marketing POC's name.
1	Button	<i>People Selector</i> : This button is located to the right of the Technical POC's name variable. This button will function the same way as any other <i>People Selector</i> button does in NASA TechTracS. When the button is clicked, it will bring up the People selector dialog and return the selected name to the Technical POC's name variable.
1	Variable (Alpha 50)	Variable that contains the Technical POC's name. This variable will default to the Innovator POC until the user selects another POC by using the <i>People Selector</i> button.
1	Button	<i>New Window</i> : This button will bring up the Listing Window (if more than one, otherwise it will be the Record Window) for the [Partnerships] table and show those [Partnership] record(s) that are related to the current record in the [Technology].

## Special Processing on Page 6

Req.	Type	Description
1	Button	<i>Potential Evaluation...</i> : When the user clicks this button, the button script will call the method <b>Tech_CalcCommPotentialScore</b> . This method will display the dialog that contains the spreadsheet the user can fill out to obtain the Commercial Potential Score.
1	Button	<i>Text Editor</i> : When the user clicks this button, the button script will execute the method <b>Edit Text</b> . This method will take the contents of the "Commercial Team Decision" field and place them in text field in the dialog box. Once the user is finished and they accepted the changes, then the updated text will be place back in the field.
1	POC Pop-up Arrows	When the Pop-up arrow is clicked, it will bring up a list of names that are associated with the Pop-up arrows. When a name is selected, then that person's people code will be placed in the appropriate field. The pop-up arrows on this page refer to the TTransfer POC and the Marketing POC.
1	Button	<i>People Selector</i> : When the user clicks this button, the button script will execute the method <b>SelectPeople</b> passing the following two parameters (a string that indicates the function of the person being selected and the [Technology]Technical_POC field.). When the dialog is up, the user can select a person who will be the Technical POC. The selected person's People code will then be placed into the [Technology]Technical_POC field.
1	Button	<i>New Window...</i> : When the user clicks this button, the button script will execute the method <b>dm_NewDataWindow</b> passing a pointer to the [Partnerships]table as a parameter. The method will open up a new window and that window will display the Partnership record(s) that are related to the current Technology record.



Mockup of Commercialization General Information Area of Technology


Mod 30 Mockups

Case No.  Report As


**Commercialization General Information**

NTR Title  Potential Evaluation...

Commercial Status  00/00/00


Commercial Team Decision 

TTransfer POC  Marketing POC

Technical POC :  

☐ On Hold    Release to Public ☐    Presentation Available ☐ Yes ☐ No

Partnership(s): ☐ Yes ☐ No    Demo Available ☐ Yes ☐ No

TT View  TechTracS

Accept  
Cancel  
Record  
More  
Print  
Help

**Page Number:** 7**Page Name:** Commercial Potential**Method(s):** **DoView015\_7T** : This method will perform a query and obtain the Corp Tech Group codes that are associated with the current [Technology] record.

Fields Used on Page 7

Req.	Field Name	Label	Enterable
3	[Technology]Case_Number	Case No.	No
3	[Technology]Report_As	Report As	No
1	[Technology]Potential_Application_Abstract	Commercial Potential Application Abstract	Yes
3	[Technology]Commercial_Potential_Descriptn  <u>NOTE</u> : This field is being moved from the "Abstract/Keywords" page.	Commercial Potential Description	Yes
3	[Technology]Commercial_Potential  <u>NOTE</u> : This field is being moved from the "Abstract/Keywords" page.	Commercial Potential	Yes

Other Objects Used on Page 7

Req.	Type	Description
1	Button	<i>Text Editor</i> : This will allow the user to edit the text in the "Potential Commercial Applications Abstract." field in a larger text area.
1	Button	<i>Load 1679 Section IV</i> : This button will copy the contents of the "Potential_Commrc1_Apps" field and place it in the "Potential_Application_Abstract" field.

Other Objects Used on Page 7

Req.	Type	Description
1	Button	<i>Text Editor</i> : This will allow the user to edit the text in the "Commercial Potential Description" field in a larger text area.
13	Longint	<i>Tab Object</i> : This tab object will allow the user to switch between the subforms for NTIS, SIC and Corp Tech Group Codes.
Std.	Button	<i>Add...</i> : This button will allow the user to add a new NTIS Code for the technology that is currently selected.
Std.	Button	<i>Delete...</i> : This button will remove the NTIS Code entry that is selected in the subform.
Std.	Subform	[xTechNTIS]Output form, standard behavior.
Std.	Button	<i>Add...</i> : This button will allow the user to add a new SIC Code for the technology that is currently selected.
Std.	Button	<i>Delete...</i> : This button will remove the SIC Code entry that is selected in the subform.
Std.	Subform	[xTechSIC]Output form, standard behavior.
13	Button	<i>Add...</i> : This button will allow the user to add a new Corp Tech Group Code for the technology that is currently selected.
13	Button	<i>Edit...</i> : This button will allow the user to edit the selected Corp Tech Group Code that is selected in the subform.
13	Button	<i>Delete...</i> : This button will remove the Corp Tech Group Code entry that is selected in the subform.
13	Subform	[Tech_CTG_Codes]Input_T_Inc form, standard behavior.

## Special Processing on Page 7

Req.	Type	Description
1	Button	<i>Text Editor</i> : When the user clicks this button, the button script will execute the method <b>EditText</b> . This method will take the contents of the "Potential Commercial Application Abstract" field and place it in the text field in the dialog box. Once the user is finished and they accept the changes, then the updated text will be placed back in the field.
1	Button	<i>Load 1679 Section IV</i> : When this button is clicked, the button script will copy the contents of the "Potential_Commrc1_Apps" field into the "Potential_Comm_App_Abst" field. If the "Potential_Comm_App_Abst" field currently contains some text, the script code will present the user with a message asking if they would like to append the new text with the current text.
1	Button	<i>Text Editor</i> : When the user clicks this button, the button script will execute the method <b>EditText</b> . This method will take the contents of the "Commercial Potential Description" field and place it in the text field in the dialog box. Once the user is finished and they accept the changes, then the updated text will be placed back in the field.
13	Longint	<i>Tab Object</i> : When a user clicks on one of the tabs, the object method behind the object will execute to display the information that is associated with the tab that was clicked. After the information is displayed, a process variable will be set to indicate which tab was clicked. This process variable will be used so that NTTS will know which tab to set if the user chooses a different [Technology] record.
Std.	Button	<i>Add...</i> (NTIS Code) : This button will continue to function in the same way as it currently does in NTTS.
Std.	Button	<i>Delete...</i> (NTIS Code) : This button will continue to function in the same way as it currently does in NTTS.
Std.	Button	<i>Add...</i> (SIC Code) : This button will continue to function in the same way as it currently does in NTTS.
Std.	Button	<i>Delete...</i> (SIC Code) : This button will continue to function in the same way as it currently does in NTTS.

Special Processing on Page 7

Req.	Type	Description
13	Button	<p><i>Add...</i> : When the user clicks this button, the button script will execute the method <b>Com_CTGCodeSelector</b> passing the following three parameters: a pointer to the [Technology] table, ID number of the current [Technology] record and "ADD" (indicates the action being performed). This method will then bring up a dialog similar to the dialog used in SIC codes. From this dialog, the user will select appropriate code and have that code saved in the [Tech_CTG_Codes] table. When the user returns back to the [Technology]Input.T form, the subform will be updated to show the new CTG Code that was added.</p>
13	Button	<p><i>Edit...</i> : When the user clicks this button, the button script will execute the method <b>Com_CTGCodeSelector</b> passing the following three parameters: a pointer to the [Technology] table, ID number of the current [Technology] record and "EDIT" (indicates the action being performed). This method will then bring up a dialog similar to the dialog used in SIC codes with the CTG Code that was selected in the subform, selected in this dialog. From this dialog, the user can keep the currently selected code, or select a different code. When the user returns back to the [Technology]Input.T form, the subform will be updated to show any changes made.</p> <p><u>NOTE</u>: This button will not be active unless the user selects an item in the subform.</p>
13	Button	<p><i>Delete...</i> : When the user clicks this button, the button script will execute code that will display an alert message asking the user to confirm the removal of the selected record. If the user confirms, then the code will be removed and the list updated. If the user cancels, then the code will not be removed and the list will remain as it.</p> <p><u>NOTE</u>: This button will not be active unless the user selects an item in the subform.</p>

Mockup of Commercial Potential Area of Technology (with NTIS Codes)

The image shows a software window titled "Mod 30 Mockups" with a standard Windows-style title bar. On the left side, there is a vertical toolbar containing icons for "Accept" (checkmark), "Cancel" (X), "Record" (double arrows), "More" (hand cursor), "Print" (printer), and "Help" (question mark). Below these icons is a "TT View" button and the NASA TechTracS logo.

The main area of the window is divided into several sections:


- At the top, there are two input fields: "Case No." and "Report As".
- Below these is a blue header bar labeled "Commercialization Potential".
- The next section is "Commercial Potential Application Abstract", which includes a large text area and a green button labeled "Load 1679 Section IV".
- Below that is the "Commercial Potential Description" section, also with a large text area. To the right of this section is a checkbox labeled "Commercial Potential".
- At the bottom, there are three tabs: "NTIS Codes", "SIC Codes", and "Corp Tech Group Codes". The "NTIS Codes" tab is currently selected.
- Under the "NTIS Codes" tab, there is a list box with three empty entries. To the left of the list box are two green buttons: "Add" and "Delete...".


Mockup of Commercial Potential Area of Technology (with SIC Codes)

Mod 30 Mockups

Case No.  Report As

**Commercialization Potential**


Commercial Potential Application Abstract  **Load 1679 Section IV**

Commercial Potential Description  ☐ Commercial Potential

NTIS Codes SIC Codes Corp Tech Group Codes

SIC Codes  **Add**  **Delete...**

TT View

 TechTracS

Mockup of Commercial Potential Area of Technology (with CTG Codes)

**Mod 30 Mockups**

Case No.  Report As

**Commercialization Potential**

Commercial Potential Application Abstract  **Load 1679 Section IV**


Commercial Potential Description  ☐ Commercial Potential

NTIS Codes | SIC Codes | **Corp Tech Group Codes**

Corp Tech Group Codes **Add...** **Edit...** **Delete...**

CTG Code	Description	Sub Group Code	Description

TT View

  
TechTracS



**Page Number:** 8**Page Name:** Commercial Activities

**Method(s):** **DoView015\_8T** : This method will perform a queries to obtain Commercialization Activities record, Commercial Leads records and Publication records that are related to the current [Technology] table. The method will also check to see if any of the related Commercial Leads records had the "Company Information Sensitive" flag checked. If so, then "\*\*\* Sensitive Information \*\*\*" will appear in red inside of the "Commercial Leads" area.

Fields Used on Page 8

Req.	Field Name	Label	Enterable
3	[Technology]Case_Number	Case No.	No
3	[Technology]Report_As	Report As	No

Other Objects Used on Page 8

Req.	Type	Description
16	Button	<i>Add...</i> (Commercial Activities) : This button adds a new [Tech_Comm_Activities ] record using the [Tech_Comm_Activities]Simple Input form.
16	Button	<i>Edit...</i> (Commercial Activities) : This button allows the user to edit the selected [Tech_Comm_Activities] record using the [Tech_Comm_Activities]Simple Input form.
16	Button	<i>Delete...</i> (Commercial Activities) : This button allows the user to remove the selected [Tech_Comm_Activities] record.
16	Subform	[Tech_Comm_Activities]Input_T_Inc form, standard behavior. The records in this subform will be sorted by the Date in decending order.
17	Variable (Alpha 25)	This variable will act as a prompt. If the condition that is associated with the prompt it met, then the prompt will display in red the words "Sensitive Information", otherwise the prompt will contain empty text.

Other Objects Used on Page 8

Req.	Type	Description
17	Button	<i>Add...</i> (Commercial Leads) : This button adds a new [NASA_Leads] record using the [Commercial_Leads]Simple Input form.
17	Button	<i>Edit...</i> (Commercial Leads) : This button allows the user to edit the selected [Commercial_Leads] record using the [NASA_Leads]Simple Input form.
17	Button	<i>Delete...</i> (Commercial Leads) : This button allows the user to remove the selected [Commercial_Leads] record.
17	Button	<i>New Window...</i> (Commercial Leads) : This button will open a new window placing the user in the [Commercial_Leads] table.
17	Subform	[Commercial_Leads]Input_T_Inc form, standard behavior. The records in this subform will be sorted by the Company Name.
18	Button	<i>Add...</i> (Publications) : This button adds a new [Publications] record and relates it to the current [Technology] record using the [Publications]Simple Input form.
18	Button	<i>Edit...</i> (Publications) : This button allows the user to edit the selected [Publications] record using the [Publications]Simple Input form.
18	Button	<i>Delete...</i> (Publications) : This button allows the user to remove the selected [Publications] record.
18	Subform	[Publications]Input_T_Inc form, standard behavior. The records in this subform will be sorted by Date in decending order.

## Special Processing on Page 8

Req.	Type	Description
16	Button	<i>Add...</i> (Commercial Activities) : When the user clicks this button, the button script will execute a method. This method will bring up the [Tech_Comm_Activities]Simple Input form. From this form the user can enter the information on the activity. When the user returns back to the [Technology]Input.T form, the subform will be updated to show the new Commercial Activity that was added.
16	Button	<i>Edit...</i> (Commercial Activities) : When the user clicks this button, the button script will execute a method. This method will search the [Tech_Comm_Activities] table for the record that was selected in the subform and allow the user to edit the information in the Simple Input form. When the user returns back to the [Technology]Input.T form, the subform will be updated to show the any changes the user made to the record.  <u>NOTE</u> : This button will not be active unless the user selects an item in the subform.
16	Button	<i>Delete...</i> (Commercial Activities) : When the user clicks this button, the button script will execute a method. This method will display an alert message asking the user to confirm the removal of the selected record. If the user confirms, then the activity will be removed and the subform updated. If the user cancels, then the activity will not be removed and the list will remain as it.  <u>NOTE</u> : This button will not be active unless the user selects an item in the subform.
17	Button	<i>Add...</i> (Commercial Leads) : When the user clicks this button, the button script will execute a method. This method will bring up the [Commercial_Leads]Simple Input form. From this form the user can enter the information on the lead. When the user returns back to the [Technology]Input.T form, the subform will be updated to show the new Commercial Activity that was added.

Special Processing on Page 8

Req.	Type	Description
17	Button	<p><i>Edit...</i> (Commercial Leads) : When the user clicks this button, the button script will execute a method. This method will search the [Commercial_Leads] table for the record that was selected in the subform and allow the user to edit the information in the Simple Input form. When the user returns back to the [Technology]Input.T form, the subform will be updated to show the any changes the user made to the record.</p> <p><u>NOTE:</u> This button will not be active unless the user selects an item in the subform.</p>
17	Button	<p><i>Delete...</i> (Commercial Leads) : When the user clicks this button, the button script will execute a method. This method will display an alert message asking the user to confirm the removal of the selected record. If the user confirms, then the lead will be removed and the subform updated. If the user cancels, then the lead will not be removed and the list will remain as it.</p> <p><u>NOTE:</u> This button will not be active unless the user selects an item in the subform.</p>
17	Button	<p><i>New Window...</i> (Commercial Leads) : When the user clicks this button, the button script will execute the method <b>NewWindow</b> passing a pointer to the [Commercial_Leads] table. The method will create a new window on the screen and will display either the "List Window" or the "Record Window" of the [Commercial_Leads] table depending on the number of records contained in the Commercial Leads subform on the [Technology]Input.T form.</p>
18	Button	<p><i>Add...</i> (Publications) : When the user clicks this button, the button script will execute a method. This method will bring up the [Publications]Simple Input form. From this form the user can enter the information on the publication. When the user returns back to the [Technology]Input.T form, the subform will be updated to show the new Publication that was added.</p>
18	Button	<p><i>Edit...</i> (Publications) : When the user clicks this button, the button script will execute a method. This method will search the [Publications] table for the record that was selected in the subform and allow the user to edit the information in the Simple Input form. When the user returns back to the [Technology]Input.T form, the subform will be updated to show the any changes the user made to the record.</p> <p><u>NOTE:</u> This button will not be active unless the user selects an item in the subform.</p>

Special Processing on Page 8

Req.	Type	Description
18	Button	<p><i>Delete...</i> (Publications) : When the user clicks this button, the button script will execute a method. This method will display an alert message asking the user to confirm the removal of the selected record. If the user confirms, then the publication will be removed and the subform updated. If the user cancels, then the publication will not be removed and the list will remain as it.</p> <p><u>NOTE:</u> This button will not be active unless the user selects an item in the subform.</p>

Mockup of Commercial Activities Area of Technology

Case No.  Report As

**Commercialization Activities**

Commercialization Activities

Type of Activity	Location	Date	Comments

**Commercial Leads**

**\*\* Sensitive Information \*\***

Company Name	Company POC	Comp Info Sensitive	Date

**Publications**

Name of Publication	Date	Title	Hardcopy Available ?

IT View

NASA TechTracS

[Comm\_Eval\_Criteria]Input**Form Name:** [Comm\_Eval\_Criteria]Input**New or Modified:** New**Menu Bar:** -2**Description:** Commercialization Evaluation Criteria information. Displayed as a result of user double clicking record from the Listing Window or choosing to Add a new record.

## Page(s)

Page Number	Name	New
1.	Commercialization Evaluation Criteria	Yes

**Page Number:** 1**Page Name:** Commercialization Evaluation Criteria**Method(s):** **DoViewXXX\_X** : This method will handle any processing that needs to be done before the form is displayed.

## Fields Used

Req.	Field Name	Label	Enterable
5	[Comm_Eval_Criteria]ID	ID	No
5	[Comm_Eval_Criteria]Criteria_Name	Criteria Name	Yes
5	[Comm_Eval_Criteria]Weight	Weight	Yes
5	[Comm_Eval_Criteria]Default	Default	Yes

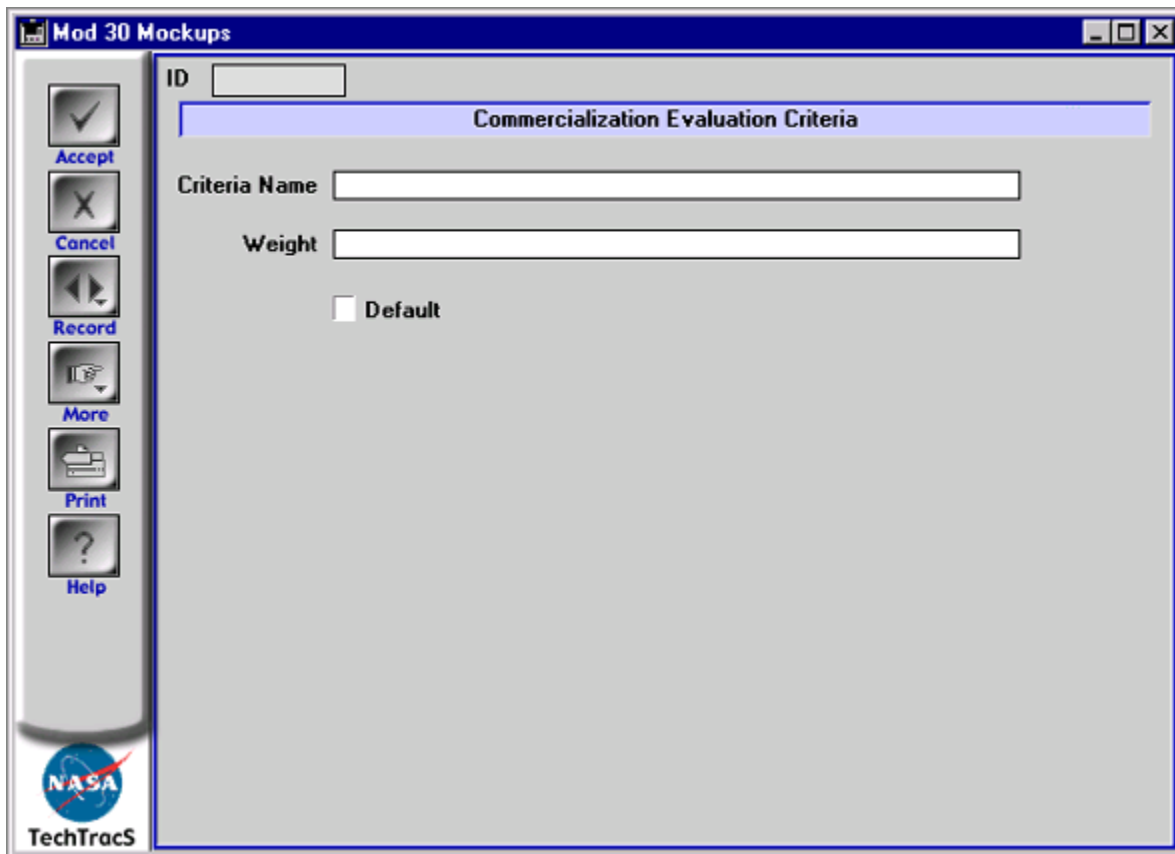
Other Objects Used

None

Special Processing

None

Mockup of [Comm\_Eval\_Criteria]Input



The image shows a mockup of a software dialog box titled "Mod 30 Mockups". The dialog box has a standard Windows-style title bar with minimize, maximize, and close buttons. On the left side, there is a vertical toolbar with six buttons: "Accept" (checkmark icon), "Cancel" (X icon), "Record" (double arrow icon), "More" (hand cursor icon), "Print" (printer icon), and "Help" (question mark icon). Below the toolbar is the NASA logo and the text "TechTracS". The main area of the dialog box is light gray. At the top, there is an "ID" label followed by a text input field. Below this is a blue header bar with the text "Commercialization Evaluation Criteria". Under the header bar, there are two labels: "Criteria Name" and "Weight", each followed by a text input field. Below the "Weight" field is a checkbox labeled "Default".

**[Tech\_Comm\_Eval\_Criteria]Calc\_Sheet.dlog****Form Name:** [Tech\_Comm\_Eval\_Criteria]Calc\_Sheet.dlog**New or Modified:** New**Menu Bar:** -2 (disabled)**Description:** Displayed as a result of user clicking the *Commercial Potential...* button on the sixth page of the [Technology]Input.T form.**Page Number:** 1**Page Name:** Commercialization Potential Evaluation Spreadsheet

**Method(s):** **Form Method** (On Load) : This method will set up the Area List Pro object contained on the dialog. If this is the first time the user has used this dialog to determine the Commercial Potential Score, then the method will perform a query in the [Comm\_Eval\_Criteria] table for the default criteria. If the user has used this dialog to determine the Commercial Potential Score already, then the method will perform a search of the [Tech\_Comm\_Eval\_Criteria] table for the criteria that is associated with the [Technology] record that the dialog was called from. These values will be loaded into their appropriate arrays.

**Fields Used**

There are no fields on this page.

**Other Objects Used**

Req.	Type	Description
6	Array (Alpha 50)	This array will contain the evaluation criteria name.
6	Array (Longint)	This array will contain the weight of the criteria.
6	Array (Real)	This array will contain the score that the user enters for the criteria.
6	Array (Real)	This array will contain the total of the score of the criteria.



## Other Objects Used

Req.	Type	Description
6	Longint	<i>Area List Pro Area</i> : This area will control the display of the above arrays and will allow them to act as a group.
6	Button	<i>Cancel</i> : This will exit the user out of the dialog and will not save any changes that were made to the spreadsheet nor will it change the value of the Commercial Potential Score on the sixth page of the [Technology]Input.T form.
6	Button	<i>Accept</i> : This will save the contents of the spreadsheet in the [Tech_Comm_Eval_Criteria] table, exit the user out of the spreadsheet dialog and will take the total score and place it in the Commercial Potential Score field in the [Technology] table.

## Special Processing

Req.	Type	Description
6	Longint	<i>Area List Pro Area</i> : There will be a "Call-Back" procedure associated with this area. What this "Call-Back" procedure will do is when the user enters a value in the "Score" column, when the user exits out of this column, the procedure will take this new score and apply the weight value to it. After the new total has been calculated, the procedure will then update the necessary total values as a result of the new score being entered

Mockup of [Tech\_Comm\_Eval\_Criteria]Calc\_Sheet.dlog

**Commercial Potential Evaluation**

**Commercial Potential Evaluation Spreadsheet**

Evaluation Criteria	Weight	Score	Total
Application Demand	20 %	0.00	0.00
Competitive Environment	10 %	0.00	0.00
Development Concerns	15 %	0.00	0.00
Market Dynamics	10 %	0.00	0.00
Product Potential	20 %	0.00	0.00
Prototype Development	10 %	0.00	0.00
Technology Uniqueness	15 %	0.00	0.00
Total	100%	0.00	0.00

Cancel Accept

[Corp\_Tech\_Group]Input

<b>Form Name:</b> [Corp_Tech_Group]Input
<b>New or Modified:</b> New
<b>Menu Bar:</b> -2
<b>Description:</b> Corp Tech Group Code information. Displayed as a result of user double clicking record from the Listing Window or choosing to Add a new record.

Page(s)

Page Number	Name	New
1.	Corp Tech Group Code Information	Yes

**Page Number:** 1**Page Name:** Corp Tech Group Code Information

**Method(s):** **DoViewXXX\_X** : This method will query the [CTG\_SubGroup] codes that are related to the current [Corp\_Tech\_Group] record. This method will also perform any other processing that needs to be done before the form is displayed.

Fields Used

Req.	Field Name	Label	Enterable
12	[Corp_Tech_Group]ID	ID	No
12	[Corp_Tech_Group]CTG_Code	CTG Code	Yes
12	[Corp_Tech_Group]Description	Description	Yes

## Other Objects Used

Req.	Type	Description
12	Button	<i>Add...</i> : This button adds a new [CTG_SubGroup] record using the [CTG_SubGroup]Simple Input form.
12	Button	<i>Edit...</i> : This button allows the user to edit the selected [CTG_SubGroup] record using the [CTG_SubGroup]Simple Input form.
12	Button	<i>Delete...</i> : This button allows the user to remove the selected [CTG_SubGroup] record.
12	Subform	[CTG_SubGroup]Included form, standard behavior.

## Special Processing

Req.	Type	Description
12	Button	<i>Add...</i> : When the user clicks this button, the button script will execute a method. This method will bring up the [CTG_SubGroup]Simple Input form. From this form the user can enter the information Sub Group Code. When the user returns back to the [Corp_Tech_Group]Input form, the subform will be updated to show the new Sub Group that was added.
12	Button	<p><i>Edit...</i> : When the user clicks this button, the button script will execute a method. This method will search the [CTG_SubGroup] table for the record that was selected in the subform and allow the user to edit the information in the Simple Input form. When the user returns back to the [Corp_Tech_Group]Input form, the subform will be updated to show the any changes the user made to the record.</p> <p><u>NOTE</u>: This button will not be active unless the user selects an item in the subform.</p>
12	Button	<p><i>Delete...</i> : When the user clicks this button, the button script will execute a method. This method will display an alert message asking the user to confirm the removal of the selected record. If the user confirms, then the Sub Group record will be removed and the subform updated. If the user cancels, then the Sub Group Code will not be removed and the list will remain as it.</p> <p><u>NOTE</u>: This button will not be active unless the user selects an item in the subform.</p>

Mockup of [Corp\_Tech\_Group]Input

Mod 30 Mockups

ID

**Corp Tech Group Code Information**


CTG Code

Description

**Sub Group Codes & Descriptions**

Sub Group Code	Description

Number of Condition Items: 0

  
TechTracS

Accept  
Cancel  
Record  
More  
Print  
Help

**[CTG\_SubGroup]Simple Input**

<b>Form Name:</b> [CTG_SubGroup]Simple Input
<b>New or Modified:</b> New
<b>Menu Bar:</b> -2 (disabled)
<b>Description:</b> Displayed as a result of user clicking <i>Add...</i> or <i>Edit...</i> button on the [CTG_SubGroup]Subform in the [Corp_Tech_Group]Input form.

**Page(s)**

Page Number	Name	New
1	Sub Group Code Information	Yes

**Page Number:** 1**Page Name:** Sub Group Code Information**Method(s):** **xInit** (Object Method) : This method will perform any processing that needs to be done before the form is displayed.**Fields Used**

Req.	Field Name	Label	Enterable
12	[CTG_SubGroup]ID	ID	No
12	[Corp_Tech_Group]Code	CTGroup Code	No
12	[Corp_Tech_Group]Description	CTG Description	No
12	[CTG_SubGroup]SG_Code	Sub Group Code	Yes
12	[CTG_SubGroup]Description	Description	Yes

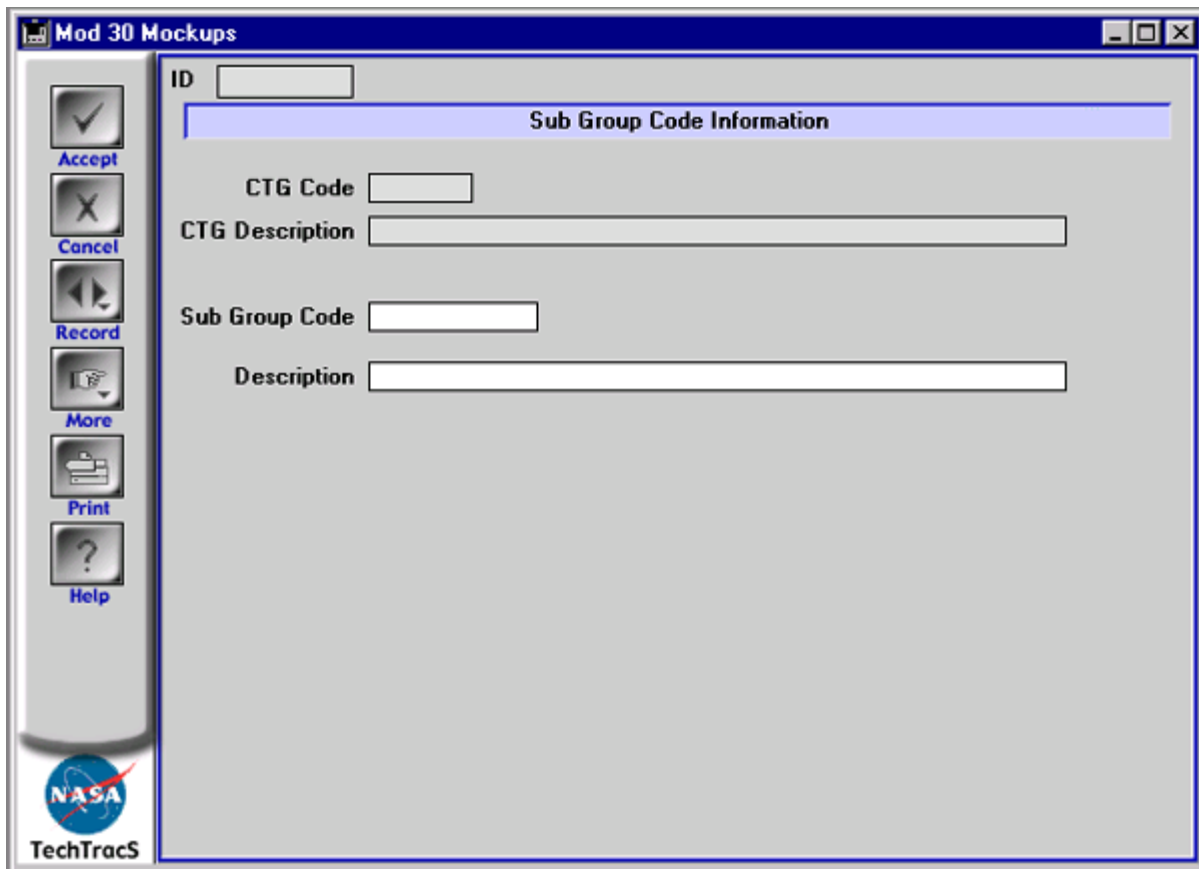
Other Objects Used

None

Special Processing

None

Mockup of [CTG\_SubGroup]Simple Input



The image shows a mockup of a software dialog box titled "Mod 30 Mockups". The dialog box has a standard Windows-style title bar with minimize, maximize, and close buttons. On the left side, there is a vertical toolbar with six buttons: "Accept" (checkmark icon), "Cancel" (X icon), "Record" (double arrows icon), "More" (hand cursor icon), "Print" (printer icon), and "Help" (question mark icon). The main area of the dialog box contains the following fields:

- An "ID" field at the top left.
- A section header "Sub Group Code Information" in a light blue bar.
- A "CTG Code" field.
- A "CTG Description" field.
- A "Sub Group Code" field.
- A "Description" field.

At the bottom left of the dialog box, there is a NASA logo and the text "TechTracS".

**[CTG\_SubGroup]Input****Form Name:** [CTG\_SubGroup]Input**New or Modified:** New**Menu Bar:** -2

**Description:** Displayed as a result of user double clicking record from Output form. The data is displayed in read only form since these records are normally managed from the [Corp\_Tech\_Group] table through the [CTG\_SubGroup] subform.

**Page(s)**

Page Number	Name	New
1	Sub Group Code Information	Yes

**Page Number:** 1**Page Name:** Sub Group Code Information

**Method(s):** **DoViewXXX\_X** : This method will perform any processing that needs to be done before the form is displayed.

**Fields Used**

Req.	Field Name	Label	Enterable
12	[CTG_SubGroup]ID	ID	No
12	[Corp_Tech_Group]Code	CTGroup Code	No
12	[Corp_Tech_Group]Description	CTG Description	No
12	[CTG_SubGroup]SG_Code	Sub Group Code	No
12	[CTG_SubGroup]Description	Description	No



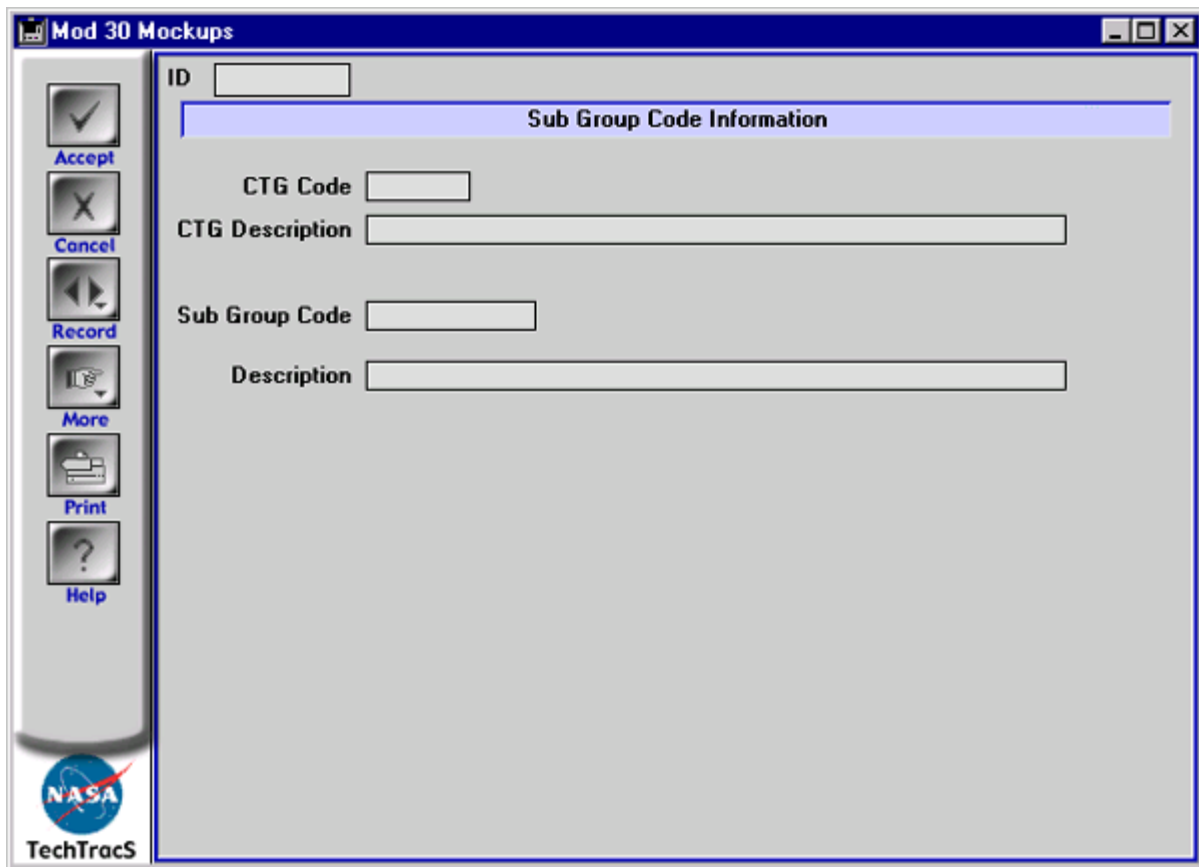
Other Objects Used

None

Special Processing

None

Mockup of [CTG\_SubGroup]Input



The image shows a software mockup for a dialog box titled "Mod 30 Mockups". The dialog box has a standard Windows-style title bar with minimize, maximize, and close buttons. On the left side, there is a vertical toolbar with six buttons: "Accept" (checkmark icon), "Cancel" (X icon), "Record" (double arrows icon), "More" (hand cursor icon), "Print" (printer icon), and "Help" (question mark icon). The main area of the dialog box contains the following fields:

- An "ID" field at the top left.
- A section header "Sub Group Code Information" centered in a light blue bar.
- A "CTG Code" field.
- A "CTG Description" field.
- A "Sub Group Code" field.
- A "Description" field.

At the bottom left of the dialog box, there is a NASA logo and the text "TechTracS".

[Corp\_Tech\_Group]CodeSelector.dlog**Form Name:** [Corp\_Tech\_Group]CodeSelector.dlog**New or Modified:** New**Menu Bar:** -2 (disabled)

**Description:** Displayed as a result of user clicking the *Add...* button on the seventh page of the [Technology]Input.T form, the fifth page of the [People]Input form and the fifth page of the [Company]Input form.

## Page(s)

Page Number	Name	New
1	Choose CTG Code (Cascade Search)	Yes
2	Choose CTG Code (Keyword Search)	Yes

**Page Number:** 1**Page Name:** Choose CTG Code

**Method(s):** **Form Method** (On Load) : This method will setup the Area List Pro objects that are used on both pages of this dialog. The method will also initialize the arrays and variables used on the dialog.

## Fields Used

There are no fields on this page.

Other Objects Used on Page 1

Req.	Type	Description
13	Longint	Item count for the number of items in the Corp Tech Group Area.
13	Array (Alpha 3)	This array will contain the Corp Tech Group codes.
13	Array (Alpha 80)	This array will contain the description of the Corp Tech Group Code.
13	Longint	<i>Area List Pro Area</i> : This area shows the Corp Tech Group Code and Description.
13	Alpha 10	Variable to show the selected Corp Tech Group Code or Sub Group Code.
13	Longint	Item count for the number of items in the Sub Group Area.
13	Array (Alpha 6)	This array will contain the Sub Group Codes.
13	Array (Alpha 80)	This array will contain the description of the Sub Group Code.
13	Longint	<i>Area List Pro Area</i> : This area shows the Sub Group Code and Description.
13	Button	<i>Keyword Search</i> : This button will change the dialog so that the user can perform a keyword search to obtain the Corp Tech Code or Sub Group Code that they are looking for.
13	Button	<i>Cancel</i> : This will exit the user out of the dialog and will cancel the selection that was made.
13	Button	<i>OK</i> : This will accept the selection that the user has made, create the appropriate record in the table that called the dialog and will exit the user out of the dialog.

## Special Processing on Page 1

Req.	Type	Description
13	Area List Pro Area	<i>Corp Tech Group</i> : When the user clicks on an item in this area, the object script will execute code that will find the Sub Groups that belong to the group that was selected. The Sub Groups that are found will then be loaded into arrays and displayed in the Area List Pro below this one.
13	Button	<i>Keyword Search</i> : When the user clicks on this button, it will execute code to set up the next page where the user can perform a search for a Corp Tech Group Code or Sub Code.
13	Area List Pro Area	<i>Sub Group</i> : When the user clicks on an item in this area, the object script will execute code to show the selected Sub Group Code in the CTG Code variable.
13	Button	<i>Cancel</i> : When the user clicks on this button, it should close the dialog and return the user back to the form from where the selector was called.
13	Button	<i>OK</i> : When the user clicks on this button, a record will be created in the related table that called the selector and will save the selected code and its description. Once the record has been created, the dialog will be closed and the user returned to the back to the form from where the selector was called.

Mockup of [Corp\_Tech\_Group]CodeSelector.dlog Page 1

**Choose CTG Code**

**Corp Tech Group** 17 Items

- AUT Factory Automation
- MAT Advanced Materials
- BIO Biotechnology
- CHE Chemicals
- COM Computer Hardware
- SOF Computer Software
- DEF Defense
- ENR Energy
- ENV Environmental
- MAN Manufacturing Equipment

**Sub Group** 10 Items

- AUT-AS Assembly Manufacturing Systems
- AUT-AT Automatic Test Equipment
- AUT-SV Automation Services
- AUT-FM Flexible Manufacturing Systems
- AUT-MT Machine Tools/Presses/Equip
- AUT-MV Machine Vision Systems
- AUT-MC Manufacturing Control Sys
- AUT-MH Materials Hndlg/Shpg Equipment

To choose a Corp Tech Group Code or a Sub Group code, select the appropriate item from one of the two list.

**Code**

AUT-AS

**Keyword Search**

**Cancel**

**OK**

**Page Number:** 2**Page Name:** Choose CTG Code**Method(s):** N/A**Fields Used on Page 2**

There are no fields on this page.

**Other Objects Used on Page 2**

Req.	Type	Description
13	Longint	Item count for the number of items in the keyword search.
13	Array (Alpha 6)	This array will contain either the Corp Tech Group Code or Sub Group Code of the item that was found by the keyword search.
13	Array (Alpha 80)	This array will contain the description of the Corp Tech Group Code or the Sub Group Code of the items that were found by the keyword search.
13	Longint	<i>Area List Pro Area</i> : This area shows the results of the Keyword search on the Corp Tech Group and Sub Group Codes.
13	Alpha 40	Variable for the user to enter the keyword for searching.
13	Button	<i>Do Search</i> : Executes the keyword search.
13	Alpha 10	Variable that shows the code that was selected from the items that were found in the keyword search.
13	Button	<i>Cascade Search</i> : Returns the user back to the first page of the CodeSelector dialog.
13	Button	<i>Cancel</i> : This will exit the user out of the dialog and will cancel the selection that was made.
13	Button	<i>OK</i> : This will accept the selection that the user has made, create the appropriate record in the table that called the dialog and will exit the user out of the dialog.

## Special Processing on Page 2

Req.	Type	Description
13	Area List Pro Area	<i>Keyword Search Results</i> : When the user clicks on an item in this area, the object script will execute code to show the selected Corp Tech Code or Sub Group Code in the Code variable.
13	Button	<i>Do Search</i> : When the user clicks on this button, it will execute code to search the [CTG_SubGroup] table for words in their description field that match or contain the keyword that was entered.
13	Button	<i>Cascade Search</i> : When the user clicks on this button, the code will set up the arrays and variables on page one and take the user to that page.
13	Button	<i>Cancel</i> : When the user clicks on this button, it should close the dialog and return the user back to the form from where the selector was called.
13	Button	<i>OK</i> : When the user clicks on this button, a record will be created in the related table that called the selector and will save the selected code and its description. Once the record has been created, the dialog will be closed and the user returned to the back to the form from where the selector was called.

Mockup of [Corp\_Tech\_Group]CodeSelector.dlog Page 2

**Choose CTG Code**

**Keyword Search Results...** 0 Items

Enter keyword or partial keyword:

then Tab or...

**Do Search**

**Code**

**Cascade Search**

**Cancel**

**OK**



**[People]Input****Form Name:** [People]Input**New or Modified:** Modified**Menu Bar:** -2

**Description:** A new page will be added to the current [People]Input form. This page is being added so that the user can associate one or more Corp Tech Group code to a person.

Page(s)

Page Number	Name	New
1.	General Information	No
2.	Personal Information	No
3.	Awards & Technologies	No
4.	Contracts & Keywords	No
5.	Corp Tech Group Codes	Yes

**Page Number:** 5 (New)

**Page Name:** Corp Tech Group Codes

**Method(s):** **DoView011\_5** : This method will perform any processing that needs to be done to this page before the form is displayed. It will also perform a query on the [People\_CTG\_Codes] to look for Corp Tech Group codes related to the current [People] record.

Fields Used on Page 5

Req.	Field Name	Label	Enterable
13	[People]First_Name	<NONE>	No
13	[People]MI	<NONE>	No
13	[People]Last_Name	<NONE>	No

Other Objects Used on Page 5

Req.	Type	Description
13	Button	<i>i</i> : This button will display information about the currently selected [People] record.
13	Button	<i>Add...</i> : This button will allow the user to add a new Corp Tech Group Code for the person in the currently selected [People] record.
13	Button	<i>Edit...</i> : This button will allow the user to edit the selected Corp Tech Group Code that is selected in the subform.
13	Button	<i>Delete...</i> : This button will remove the Corp Tech Group Code entry that is selected in the subform.
13	Subform	This form shows the Corp Tech Group Codes that are related to the person whose [People] record is currently selected.

## Special Processing on Page 5

Req.	Type	Description
13	Button	<i>Add</i> : When the user clicks this button, it should call the code that brings up the Corp Tech Group Code selector.
13	Button	<i>Edit</i> : When the user clicks on this button, it should call the code that brings up the Corp Tech Group selector and have the code that is selected from the <i>Subform</i> selected in the Corp Tech Group Code selector dialog.  <u>NOTE</u> : This button should not be active unless the user selects an item in the subform.
13	Button	<i>Delete</i> : When the user clicks on this button, it will ask the user to confirm that they would like to remove the selected CTG code from the user's list. If the user confirms, then the code will be removed and the list updated. If the user cancels, then the code will not be removed and the list will remain as is.  <u>NOTE</u> : This button should not be active unless the user selects an item in the subform.

Mockup of [People]Input Page 5

✓  
Accept

✕  
Cancel

⏮  
Record

📁  
More

🖨  
Print

❓  
Help

JohnDoe


Corp Tech Group Codes

Add...

Edit...

Delete...

CTG Code	Description	Sub Group Code	Description

  
TechTracS

[Company]Input**Form Name:** [Company]Input**New or Modified:** Modified**Menu Bar:** -2

**Description:** A new page will be added to the current [Company]Input form. This page is being added so that the user can associate one or more Corp Tech Group code to a company. This new page will be inserted after the "Success Stories" page and before the "Chronology" page.

Page(s)

Page Number	Name	New
1.	General Information	No
2.	People	No
3.	Contracts	No
4.	Success Stories	No
5.	Corp Tech Group Codes	Yes
6.	Chronology	No

**Page Number:** 5 (New)

**Page Name:** Corp Tech Group Codes

**Method(s):** **DoView012\_5** : This method in its current form in NASA TechTracS handles the form set up for the Company Chronology page on this form. Since this page is being inserted as the new page 5, and the Company Chronology page will become page 6, the current code will be move to a new method called **DoView012\_6**.

The new code in **DoView012\_5** will perform any processing that needs to be done to this page before the form is displayed. It will also perform a query on the [Company\_CTG\_Codes] to look for Corp Tech Group codes related to the current [Company] record.

Fields Used on Page 5

Req.	Field Name	Label	Enterable
13	[Company]Name	Company Name	No

Other Objects Used on Page 5

Req.	Type	Description
13	Button	<i>i</i> : This button will display information about the currently selected [Company] record.
13	Button	<i>Add...</i> : This button will allow the user to add a new Corp Tech Group Code for the company in the currently selected [Company] record.
13	Button	<i>Edit...</i> : This button will allow the user to edit the selected Corp Tech Group Code that is selected in the subform.
13	Button	<i>Delete...</i> : This button will remove the Corp Tech Group Code entry that is selected in the subform.
13	Subform	This form shows the Corp Tech Group Codes that are related to the Company whose [Company] record is currently selected.

## Special Processing on Page 5

Req.	Type	Description
13	Button	<i>Add</i> : When the user clicks this button, it will call the code that brings up the Corp Tech Group Code selector.
13	Button	<i>Edit</i> : When the user clicks on this button, it will call the code that brings up the Corp Tech Group selector and have the code that is selected from the <i>Subform</i> selected in the Corp Tech Group Code selector dialog.  <u>NOTE</u> : This button should not be active unless the user selects an item in the subform.
13	Button	<i>Delete</i> : When the user clicks on this button, it will ask the user to confirm that they would like to remove the selected CTG code from the company's list. If the user confirms, then the code will be removed and the list updated. If the user cancels, then the code will not be removed and the list will remain as is.  <u>NOTE</u> : This button should not be active unless the user selects an item in the subform.

Mockup of [Company]Input Page 5

Mod 30 Mockups

✓  
Accept


✕  
Cancel

⏪  
Record

📁  
More

🖨  
Print

❓  
Help

  
TechTracS

Corp Tech Group Codes

Company Name

Corp Tech Group

Add...

Edit...

Delete...

CTG Code	Description	Sub Group Code	Description



**[Tech\_Comm\_Activities]Simple Input**

<b>Form Name:</b> [Tech_Comm_Activities]Simple Input
<b>New or Modified:</b> New
<b>Menu Bar:</b> -2 (disabled)
<b>Description:</b> Displayed as a result of user clicking <i>Add...</i> or <i>Edit...</i> button on the [Tech_Comm_Activities]Subform in the [Technology]Input.T form.

**Page(s)**

Page Number	Name	New
1	Commercial Marketing Activity Information	Yes

**Page Number:** 1**Page Name:** Commercial Marketing Activity Information

**Method(s):** **xInit** (Object Method) : The code in the object method will obtain an ID number for the new [Tech\_Comm\_Activities] record being created. It will associate with it the ID of the [Technology] record.

**Fields Used**

Req.	Field Name	Label	Enterable
16	[Tech_Comm_Activities]ID	ID	No
16	[Technology]Case_Number	Case Number	No
16	[Technology]NTR_Title	NTR Title	No
16	[Tech_Comm_Activities]Type_Of_Activity	Type Of Activity	Yes
16	[Tech_Comm_Activities]Location	Location	Yes

Fields Used

Req.	Field Name	Label	Enterable
16	[Tech_Comm_Activities]Date	Date	Yes
16	[Tech_Comm_Activities]Comments	Comments	Yes

Other Objects Used

Req.	Type	Description
16	Button	<i>Text Editor</i> : This button will allow the user to edit the text in the "Comments" field in a larger text area.

Special Processing

Req.	Type	Description
16	Button	<i>Text Editor</i> : When the user clicks this button, the button script will execute the method <b>EditText</b> . This method will take the contents of the "Comments" field and place it in the text field in the dialog box. Once the user is finished and they accept the changes, then the updated text will be placed back in the field.

Mockup of [Tech\_Comm\_Activities]Simple Input

The image shows a screenshot of a software application window titled "Mod 30 Mockups". The window contains a form for entering "Commercial Activity Information". On the left side of the window is a vertical toolbar with the following buttons: "Accept" (checkmark icon), "Cancel" (X icon), "Record" (double arrows icon), "More" (hand icon), "Print" (printer icon), and "Help" (question mark icon). Below these buttons is the NASA logo and the text "TechTracS". The main form area has a title bar "Commercial Activity Information" in a light blue header. Below the header are several input fields: "ID" (a small text box), "Case No." (a text box), "NTR Title" (a large text box), "Type Of Activity" (a text box), "Location" (a text box), and "Date" (a text box with the placeholder "00/00/0000"). At the bottom of the form is a "Comments" section with a large text area and a small document icon to its left. The window has standard Windows-style window controls (minimize, maximize, close) in the top right corner.

Mod 30 Mockups

Accept  
Cancel  
Record  
More  
Print  
Help

NASA  
TechTracS

ID

Commercial Activity Information

Case No.

NTR Title

Type Of Activity

Location

Date

Comments

**[Tech\_Comm\_Activities]Input****Form Name:** [Tech\_Comm\_Activities]Input**New or Modified:** New**Menu Bar:** -2

**Description:** Displayed as a result of user double clicking record from Output form. The data is displayed in read only form since these records are normally managed from the [Technology] table through the [Tech\_Comm\_Activities] subform.

**Page(s)**

Page Number	Name	New
1	Commercial Marketing Activity Information	Yes

**Page Number:** 1**Page Name:** Commercial Marketing Activities Information

**Method(s):** **DoViewXXX\_1** : This method will perform any processing that needs to be done before the form is displayed.

**Fields Used**

Req.	Field Name	Label	Enterable
15	[Tech_Comm_Activities]ID	ID	No
15	[Technology]Case_Number	Case Number	No
15	[Technology]NTR_Title	NTR Title	No
15	[Tech_Comm_Activities]Type_Of_Activity	Type Of Activity	No
15	[Tech_Comm_Activities]Location	Location	No

## Fields Used

Req.	Field Name	Label	Enterable
15	[Tech_Comm_Activities]Date	Date	No
15	[Tech_Comm_Activities]Comments	Comments	No

## Other Objects Used

None

## Special Processing

None

Mockup of [Tech\_Comm\_Activities]Input

Mod 30 Mockups

✓  
Accept

✕  
Cancel

↔  
Record

📁  
More

🖨  
Print

❓  
Help

ID

Commercial Activity Information

Case No.


NTR Title

Type Of Activity

Location

Date

Comments

  
TechTracS

**[Commercial\_Leads]Simple Input****Form Name:** [Commercial\_Leads]Simple Input**New or Modified:** New**Menu Bar:** -2 (disabled)**Description:** Displayed as a result of user clicking *Add...* or *Edit...* button on the [Commercial\_Leads]Subform in the [Technology]Input.T form.**NOTE:** This form is subject to change depending on the requirements for MOD 60.**Page(s)**

Page Number	Name	New
1	Commercial <Center Name> Lead	Yes

**Page Number:** 1**Page Name:** Commercial <Center Name> Lead

**Method(s):** **xInit** (Object Method) : The code in the object method will obtain an ID number for the new [Commercial\_Leads] record being created. It will associate with it the ID of the [Technology] record. This object method will initialize any variables and arrays that are used on the form.

**Fields Used**

Req.	Field Name	Label	Enterable
17	[Commercial_Leads]Lead_Number	Lead No.	Yes
17	[Commercial_Leads]Date_Received	Lead Received Date	Yes
17	[Commercial_Leads]Comp_Info_Sensitive	Company Info. Sensitive	Yes
17	[Commercial_Leads]Case_Number	Case No.	No

Fields Used

Req.	Field Name	Label	Enterable
17	[Technology]NTR_Title	NTR Title	No
17	[Commercial_Leads]Addl_Source_Info	Add'l Source Info	Yes
17	[Commercial_Leads]Response_By	Response Due	Yes
17	[Commercial_Leads]Date_Closed	Close Date	Yes
17	[Commercial_Leads]Release_To_NTAS	Release To NTAS	Yes
17	[Commercial_Leads]Partnership_Number	Partnership No.	No
17	[Commercial_Leads]Action_Taken	Action Taken	Yes

Other Objects Used

Req.	Type	Description
17	Popup	<i>Center</i> : This popup will allow the user to select a NASA Center to be associated with the [Commercial_Leads] record.
17	Variable (Text)	<i>Page Title</i> : This variable will display the following text as the page title "Commercial <i>Center</i> Lead" where " <i>Center</i> " is the center that was selected in the above pull down.
17	Popup	<i>Qualification</i> : This popup will allow the user to select a Qualification for the [Commercial_Leads] record.
17	Variable (Alpha 70 )	<i>Name...</i> : This variable will display the name the user chose from the People Selector dialog.  <u>NOTE</u> : This variable will be Non-Enterable.
17	Button	<i>People Selector</i> (Name) : This button will bring up the People Selector dialog.



## Other Objects Used

Req.	Type	Description
17	Variable (Alpha 5 )	<p><i>Phone</i> (Area Code) : This variable will display the three digit Area Code of the person that was selected.</p> <p><u>NOTE</u> : This variable will be Non-Enterable.</p>
17	Variable (Alpha 8)	<p><i>Phone</i> (7 Digit Number) : This variable will display the seven digit phone number of the person that was selected.</p> <p><u>NOTE</u> : This variable will be Non-Enterable.</p>
17	Variable (Alpha 6)	<p><i>Ext</i> : This variable will display the extension number of the person that was selected.</p> <p><u>NOTE</u> : This variable will be Non-Enterable.</p>
17	Variable (Alpha 70)	<p><i>Org.</i> : This variable contains the name of the Organization/Company that the user chose in the Company Selector dialog.</p> <p><u>NOTE</u> : This variable will be Non-Enterable.</p>
17	Button	<i>Org/Company Selector</i> (Org.) : This button will bring up the Organization/Company selector dialog.
17	Variable (Longint)	<i>US Owned</i> (Checkbox) : This variable will indicate if the selected Organization/Company that the user selected is US Owned company.
17	Variable (Alpha 70)	<p><i>Alt. Contact</i> : This variable contains the name of the person who was selected in the People Selector dialog as the Alternate Point of Contact.</p> <p><u>NOTE</u> : This variable will be Non-Enterable.</p>
17	Button	<i>People Selector</i> (Alt. Contact) : This button will bring up the People Selector dialog.
17	Variable (Alpha 5)	<p><i>Phone</i> (Area Code) : This variable will display the three digit Area Code of the person that was selected as the Alt. Contact.</p> <p><u>NOTE</u> : This variable will be Non-Enterable.</p>

## Other Objects Used

Req.	Type	Description
17	Variable (Alpha 8)	<i>Phone (7 Digit Number)</i> : This variable will display the seven digit phone number of the person that was selected as the Alt. Contact.  <u>NOTE</u> : This variable will be Non-Enterable.
17	Variable (Alpha 6)	<i>Ext</i> : This variable will display the extension number of the person that was selected as the Alt. Contact.  <u>NOTE</u> : This variable will be Non-Enterable.
17	Popup	<i>Source</i> : This popup will allow the user to select the source.
17	Popup	<i>Lead Status</i> : This popup will allow the user to select a Lead Status.
17	Variable (Alpha 70)	<i>Assigned To</i> : This variable contains the name of the person who was selected in the People Selector dialog as the NASA Person Assigned to the Lead.  <u>NOTE</u> : This variable will be Non-Enterable.
17	Button	<i>People Selector (Assigned To)</i> : This button will bring up the People Selector dialog.
17	Button	<i>Text Editor</i> : This button will allow the user to edit the text in the "Action Taken" field in a larger text area.

## Special Processing

Req.	Type	Description
17	Popup	<i>Center</i> : When the user clicks on this popup and selects a NASA Center, the popup script will update the Page Title to reflect new Center and the script will assigned the center chosen to the [Commercial_Leads]Center field.
17	Popup	<i>Qualification</i> : When the user clicks on this popup and selects a Qualification, the popup script will display the item chosen and assign that item to the [Commercial_Leads]Qualification field.
17	Button	<i>People Selector (Name)</i> : When the user clicks this button, the button script will execute the method <b>SelectPeople</b> passing the following two parameters (a string that indicates the function of the person being selected and the [Commercial_Leads]Primary_Contact field). When the dialog is up, the user can select a person who will be the Primary Contact for the lead. The selected person's People code will then be placed into the [Commercial_Leads]Primary_Contact field.
17	Button	<i>Org/Company Selector (Org.)</i> : When the user clicks this button, the button script will execute the method <b>SelectCompany</b> passing the following parameter (the [Commercial_Leads]Company_Code field). When the dialog is up, the user can select the Organization/Company of the Primary Contact for the lead. The selected Organization/Company's code will then be placed into the [Commercial_Leads]Primary_Contact field.
17	Variable (Longint)	<i>US Owned (Checkbox)</i> : When the user checks this box, the button script will search the [Company] table for the selected Org/Company. Once found it will set the [Company]US_Owned field to TRUE. If the user clicks on this check box and Org/Company is selected, the user should be prompted with a message saying that they must select a company first.
17	Button	<i>People Selector (Alt. Contact)</i> : When the user clicks this button, the button script will execute the method <b>SelectPeople</b> passing the following two parameters (a string that indicates the function of the person being selected and the [NASA_Leads]Second_Contact field). When the dialog is up, the user can select a person who will be the Alternate Contact for the lead. The selected person's People code will then be placed into the [Commercial_Leads]Second_Contact field.

## Special Processing

Req.	Type	Description
17	Popup	<i>Source</i> : When the user clicks on this popup and selects a source, the script will assigned the selected source to the [Commercial_Leads]Source field.
17	Popup	<i>Lead Status</i> : When the user clicks on this popup and selects a status, the script will assigned the selected status to the [Commercial_Leads]Status field.
17	Button	<i>People Selector</i> (Assigned To) : When the user clicks this button, the button script will execute the method <b>SelectPeople</b> passing the following two parameters (a string that indicates the function of the person being selected and the [NASA_Leads]Center_POC field). When the dialog is up, the user can select a person who will be the Center Contact for the lead. The selected person's People code will then be placed into the [Commercial_Leads]Center_POC field.
17	Button	<i>Text Editor</i> : When the user clicks this button, the button script will execute the method <b>EditText</b> . This method will take the contents of the "Action Taken" field and place it in the text field in the dialog box. Once the user is finished and they accept the changes, then the updated text will be placed back in the field.

Mockup of [NASA\_Leads]Simple Input


Mod 30 Mockups


Lead No.  Center


**Commercial KSC Lead**

Lead Received Date  Qualification

**Commercial Lead Data**

Name   Phone   Ext

Org.   ☐ US Owned

Alt. Contact   Phone   Ext

☐ Company Information Sensitive

Source


Case No.  Add'l Source Info

NTR Title

**Results/Center Action**


Response Due  Lead Status

Date Closed  ☐ Release To NTAS

Assigned To  

Partnership No.

Action Taken

  
TechTracS

**[Publications]Simple Add****Form Name:** [Publications]Simple Add**New or Modified:** Modified**Menu Bar:** -2**Description:** Displayed as a result of user clicking *Add...* or *Edit...* button on the [Publications] Subform in the [Technology]Input.T form.

The only modification to the form that will be made is the addition of one field "Hardcopy Available". That field will be added to this form and to the [Publications]Input form.

**Page(s)**

Page Number	Name	New
1	General Information	Yes

**Page Number:** 1**Page Name:** General Information

**Method(s):** **xInit** (Object Method) : The code in the object method will obtain an ID number for the new [Publications] record being created. It will associate with it the ID of the [Technology] record. This object method will initialize any variables and arrays that are used on the form.

**Fields Used**

Req.	Field Name	Label	Enterable
18	[Publications]Hardcopy_Available	Hardcopy Available	Yes

## Other Objects Used

No changes will be made to the objects currently on the form

## Special Processing

No changes will be made to the current special processing on the form.

Mockup of [Publication]Simple Add

**[Publications]Input****Form Name:** [Publications]Input**New or Modified:** Modified**Menu Bar:** -2**Description:** Publication information. Displayed as a result of the user double clicking a record from the Listing Window or choosing to Add a new record.

The only modification to the form that will be made is the addition of one field "Hardcopy Available". That field will be added to this form and to the [Publications]Simple Add form.

**Page(s)**

Page Number	Name	New
1	General Information	Yes

**Page Number:** 1**Page Name:** General Information**Method(s):** **DoView019\_1** : No changes will be made to this method**Fields Used**

Req.	Field Name	Label	Enterable
18	[Publications]Hardcopy_Available	Hardcopy Available	Yes

**Other Objects Used**

No changes will be made to the objects currently on the form



## Special Processing

No changes will be made to the current special processing on the form.

Mockup of [Publication]Input

The image shows a software window titled "Mod 30 Mockups" with a standard Windows-style title bar. On the left side of the window is a vertical toolbar containing several icons and labels: a checkmark icon labeled "Accept", an 'X' icon labeled "Cancel", a double-headed arrow icon labeled "Record", a hand icon labeled "More", a printer icon labeled "Print", and a question mark icon labeled "Help". Below the toolbar is the NASA logo and the text "TechTracS". The main area of the window is a form titled "General Information" in a blue header bar. The form contains the following fields and controls: "Case No." followed by a text input box; "Title" followed by a large text input box; "Publication Name" followed by a green-highlighted text input box; "Volume No." followed by a text input box; "Page" followed by a text input box; "Date" followed by a text input box; "Statutory Bar Established" followed by a text input box and a checkbox labeled "Contemplated"; a "Type" section with four radio button options: "Journal", "Report", "Conference or Seminar", and "Oral Presentation"; a "By" section with three radio button options: "Contractor", "NASA", and "Other Govt.", followed by a text input box; and a checkbox labeled "Hardcopy Available" with the text "<== The only new field being added to this layout." to its right. The NASA logo and "TechTracS" text are located at the bottom left of the form area.



**List Forms/Find Dialogs**

The following List forms and Find dialogs must be added or modified as result of this mod:

**[Technology]Output**

<b>Form Name:</b> [Technology]Output
<b>New or Modified:</b> Modification
<b>Menu Bar:</b> -2
<b>Description:</b> There will be no change in the appearance of the [Technology]Output form. The only change that will occur will be in adding some new table names to the <i>Relate</i> pop-up located on this form.
<b>Auto Sort:</b> 015015001A => ([Technology];[Technology]Case_Number;>)

**Field(s) Used**

There are no changes to the fields currently being displayed on this form.

**Find(s)**

Req.	Description
Std.	Add Technical POC and Marketing POC to the People page of the [Technology] Find dialog.

---

Relate(s)	
Req.	Table
4	[Tech_Comm_Eval_Criteria] (Many Table)
15	[Tech_Comm_Activities] (Many Table)
17	[Commercial_Leads] (Many Table)

[Comm\_Eval\_Criteria]Output**Form Name:** [Comm\_Eval\_Criteria]Output**New or Modified:** New**Menu Bar:** -2

**Description:** List form for [Comm\_Eval\_Criteria] table which shows the Criteria Name, the weight of the criteria and a check box to show if the criteria record has been selected as a center default criteria.

**Auto Sort:** The auto sort should be configured to sort in ascending order by the field [Comm\_Eval\_Criteria]Criteria\_Name.

Field(s) Used

Req.	Field Name	Label
4	[Comm_Eval_Criteria]Criteria_Name	Criteria Name
4	[Comm_Eval_Criteria]Weight	Weight (in %)
4	[Comm_Eval_Criteria]Default	Default

Find(s)


Req.	Description
4	Find by Criteria Name
4	Find Default Criteria


Relate(s)


There is no related table information being display on this list form.


Mockup of [Comm\_Eval\_Criteria]Output


Criteria Name	Weight (in %)	Default
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>


 Add


 Query


 Order by

 Print


 Report

 Sets

 Help

 Relate

 Tables

 Return

**[Tech\_Comm\_Eval\_Criteria]Output****Form Name:** [Tech\_Comm\_Eval\_Criteria]Output**New or Modified:** New**Menu Bar:** -2**Description:** List form for [Tech\_Comm\_Eval\_Criteria] table which shows the technology Case Number, the Criteria Name, the Weight of the criteria and the Score.**Auto Sort:** The auto sort should be configured to sort in ascending order by the field [Technology]Case\_Number.**Field(s) Used**

Req.	Field Name	Label
5	[Technology]Case_Number	Case Number
5	[Tech_Comm_Eval_Criteria]Criteria_Name	Criteria Name
5	[Tech_Comm_Eval_Criteria]Weight	Weight (in %)
5	[Tech_Comm_Eval_Criteria]Score	Score


**Find(s)**


Req.	Description
5	Find by Case Number
5	Find by Criteria Name


Relate(s)	
Req.	Table
5	[Technology] (One Table)


Mockup of [Techn\_Comm\_Eval\_Criteria]Output


Case No.	Criteria Name	Weight (in %)	Score
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>


 Add


 Query


 Order by


 Print


 Report

 Sets

 Help

 Relate

 Tables

 Return



**[Corp\_Tech\_Group]Output**

<b>Form Name:</b> [Corp_Tech_Group]Output
<b>New or Modified:</b> New
<b>Menu Bar:</b> -2
<b>Description:</b> List form for [Corp_Tech_Group] table which shows the Corp Tech Group Code and its Description.
<b>Auto Sort:</b> The auto sort should be configured to sort in ascending order by the field [Corp_Tech_Group]CTG_Code.

**Field(s) Used**

Req.	Field Name	Label
11	[Corp_Tech_Group]CTG_Code	CTG Code
11	[Corp_Tech_Group]Description	Description

**Find(s)**

Req.	Description
11	Find by CTG Code
11	Find by Description

Relate(s)

Req.	Table
11	[CTG_SubGroup] (Many Table)

Mockup of [Corp\_Tech\_Group]Output

CTG Code	Description
<input type="text"/>	<input type="text"/>

Add

Query

Order by

Print

Report

Sets

Help

Relate

Tables

Return

[CTG\_SubGroup]Output**Form Name:** [CTG\_SubGroup]Output**New or Modified:** New**Menu Bar:** -2**Description:** List form for [CTG\_SubGroup] table which shows the Corp Tech Group Code, the Sub Group Code and the Sub Group Description.**Auto Sort:** The auto sort should be configured to sort in ascending order by the field [Corp\_Tech\_Group]CTG\_Number and [CTG\_SubGroup]SG\_Code.

Field(s) Used

Req.	Field Name	Label
11	[Corp_Tech_Group]CTG_Code	CTG Code
11	[CTG_SubGroup]SG_Code	SG Code
11	[CTG_SubGroup]Description	SG Description


Find(s)

Req.	Description
11	Find by Sub Group Code
11	Find by Description


Relate(s)	
Req.	Table
11	[Corp_Tech_Group] (One Table)

Mockup of [CTG\_SubGroup]Output

CTG Code	SG Code	Description
<input type="text"/>	<input type="text"/>	<input type="text"/>


 Add


 Query


 Order by


 Print

 Report

 Sets

 Help

 Relate

 Tables

 Return

**[Tech\_Comm\_Activities]Output****Form Name:** [Tech\_Comm\_Activities]Output**New or Modified:** New**Menu Bar:** -2**Description:** List form for [Tech\_Comm\_Activities] table which shows the technology Case Number, Type Of Activity, Location and Date.**Auto Sort:** The auto sort should be configured to sort in descending order by the field [Tech\_Comm\_Activities]Date then should sort in ascending order by [Technology]Case\_Number.**Field(s) Used**

<b>Req.</b>	<b>Field Name</b>	<b>Label</b>
15	[Technology]Case_Number	Case Number
15	[Tech_Comm_Activities]Type_Of_Activity	Type Of Activity
15	[Tech_Comm_Activities]Location	Location
15	[Tech_Comm_Activities]Date	Date

**Find(s)**

<b>Req.</b>	<b>Description</b>
15	Find by Case Number
15	Find By Activity
15	Location
15	Find by Date

Relate(s)	
Req.	Table
15	[Technology] (One Table)

Mockup of [Tech\_Comm\_Activities]Output

Case No.	Type Of Activity	Location	Date
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

 Add

 Query

 Order by

 Print

 Report

 Sets

 Help

 Relate

 Tables

 Return

**Custom Reports**

No custom reports were requested for this MOD other than the standard listing reports that are already provided.





**Major Methods**

The following methods (include conversion methods) need to be added or modified as result of this mod:

**Method Name:** Tech\_CalcCommPotentialScore

**New or Modified:** New

**User Method:** No

**Requirement(s):** 6

**Description:** This method will display the dialog used in calculating the Commercial Potential Score.

The method will first check for any previous records that might have been created from the last time the user executed this method. If any were found then the method will load those records into the arrays. If none were found then the method will search the [Comm\_Eval\_Criteria] table for the default criteria and load that into the arrays used in the dialog.

The method will then display the dialog and allow the user to enter values.

Once the user is finished and clicked on the accept button, the information will be saved in the [Tech\_Comm\_Eval\_Criteria] table and the calculated score will be passed to the [Technology]Commercial\_Potential\_Score field. If the user click the "Cancel" button, then the method will not perform any saves and not change the contents of the [Technology]Commercial\_Potential\_Score field.

**Method Name:** Com\_CTGCodeSelector

**New or Modified:** New

**User Method:** No

**Requirement(s):** 11

**Description:** This method will display a dialog that will allow the user to select a Corp Tech Group code for a [Technology], [People] or [Company] record.

If the clicked on the edit button to invoke this method, the method will select default to the code that is selected when the *Edit* button was clicked. If the user is adding a new code, then when the dialog comes up no code will be selected.

After the dialog set up has completed, the dialog will be display for the user to select a Corp Tech Group Code.

Once the user has selected a Corp Tech Group code, the method will then close the dialog, save the code in the appropriate related file and update the appropriate subform to reflect the addition or change. If the user did not select a code or canceled their selection, then the method will close the dialog and return the user back to the previous form.

**Method Name:** WanCTGCodes

**New or Modified:** New

**User Method:** No

**Requirement(s):** 12

**Description:** A WAN Job to enable the distribution to all Field Centers of [Corp\_Tech\_Group] and [CTG\_SubGroup] records. Method will use 4D Open to retrieve those records from Agencywide TechTracS. Those records will be created in the local [Corp\_Tech\_Group] and [CTG\_SubGroup] tables replacing all existing records.

**Method Name:** Mod30Converstion

**New or Modified:** New

**User Method:** No

**Requirement(s):** Applies to the Entire Mod.

**Description:** This method will convert certain data elements or add elements to the data file so that Mod 30 will run correctly once it is in production. This method will be run as part of the release conversion method.

The method will create a new record in the [Lists] table. The List name will be "PeopleType" and the item will be "Marketing POC".

The method will also create "AutoSort" records to be used with the listing windows for the following tables [Comm\_Eval\_Criteria], [Tech\_Comm\_Eval\_Criteria], [Corp\_Tech\_Group], [CTG\_SubGroup] and [Tech\_Comm\_Activities].

**Method Name:** remPOCArrays

**New or Modified:** Modified

**User Method:** No

**Requirement(s):** 2

**Description:** This method will be modified to include the new Point Of Contact fields in being added in the [Technology] table. The method will be modified to include the Technical Point Of Contact and the Marketing Point Of Contact.

**Corp Tech Group Codes**

This section shows the Corp Tech Group & Sub Group codes and descriptions that will be loaded into the Agency Wide System's data file. When the first WAN job occurs after the release has been implemented, these values will be down loaded to each of the center's data file. These codes will be maintained by an authorized person who has access to the Agency Wide System.

**Factory Automation (AUT)**

The following are the Sub Group codes and descriptions are members of the Factory Automation Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
AUT-AS	Assembly Manufacturing Equipment
AUT-AT	Automatic Test Equipment
AUT-SV	Automation Services
AUT-FM	Flexible Manufacturing Systems
AUT-MT	Machine Tools/Presses/Equip.
AUT-MV	Machine Vision Systems
AUT-MC	Manufacturing Control Sys.
AUT-MH	Materials Hndlg/Shpg. Equipment
AUT-ME	Manufacturing Measuring Equipment
AUT-RO	Robots/Robotic Equipment

**Advance Materials (MAT)**

The following are the Sub Group codes and descriptions are members of the Advance Materials Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
MAT-AB	Abrasives
MAT-AM	Additives/modifiers
MAT-AD	Adhesives
MAT-SV	Advanced Materials Ser.
MAT-CE	Ceramics/Related Materials
MAT-CO	Coatings/Coating Materials
MAT-CM	Composites
MAT-CN	Construction Materials
MAT-DE	Desiccants
MAT-EL	Electronic Materials
MAT-FR	Fillers/Reinforcements
MAT-FO	Foams/Foamed Materials
MAT-ME	Metals & Alloys
MAT-MO	Monomers
MAT-NF	Nonmetalliferrous Minerals
MAT-NU	Nuclear Materials
MAT-OL	Oils/Lubricants
MAT-ZZ	Other Materials
MAT-PO	Polymers
MAT-TX	Textiles/Fibers

**Biotechnology (BIO)**

The following are the Sub Group codes and descriptions that are members of the Biotechnology Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
BIO-AN	Animal Biotech Systems
BIO-EL	Bioelectronic Equipment
BIO-MS	Biomass/Biochemicals
BIO-MT	Biomaterials
BIO-EQ	Biotechnology Equipment
BIO-SV	Biotechnology Services
BIO-CT	Catalysts
BIO-CC	Cell Culture Technologies
BIO-NZ	Enzyme Technology Systems
BIO-GE	Genetic Engineering Sys.
BIO-IM	Immunology Systems
BIO-PL	Plant Biotech Systems
BIO-PE	Proteins/Protein Eng. Sys.

**Chemicals (CHE)**

The following are the Sub Group codes and descriptions that are members of the Chemicals Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
CHE-AP	Application Specific Chems
CHE-DY	Chemical Dyes/Pigments
CHE-SV	Chemical Services
CHE-EX	Explosive Chemicals
CHE-IG	Industrial gases
CHE-IN	Inorganic Chemicals
CHE-OR	Organic Chemicals
CHE-PT	Petrochemicals/Petroleum
CHE-RE	Reagents

**Computer Hardware (COM)**

The following are the Sub Group codes and descriptions that are members of the Computer Hardware Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
COM-AX	Accessories/Components
COM-AI	Artificial Intelligence
COM-BU	Business Equipment
COM-CP	CPUs
COM-CB	Computer Boards
COM-IN	Computer Input Devices
COM-CM	Computer Memory Systems
COM-OU	Computer Output Devices
COM-SV	Computer Services
COM-CN	Converters
COM-MF	Mainframes
COM-MC	Microcomputers
COM-MN	Minicomputers
COM-MO	Monitors
COM-PC	Peripheral Controllers
COM-SN	Special Needs Hardware
COM-SP	Specialized Computers
COM-MS	Supercomputers
COM-TR	Terminals



**Computer Software (SOF)**

The following are the Sub Group codes and descriptions that are members of the Computer Software Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
SOF-AC	Accounting Software
SOF-ZA	Applications Software Nec.
SOF-AI	Artificial Intel Software
SOF-BA	Banking Software
SOF-CS	Communications Sys. Software
SOF-CN	Construction Software
SOF-DM	Database/File Management Software
SOF-ED	Educational/Training Software
SOF-FM	Facilities Management Software
SOF-FN	Fanan Analysis/Mgmt. Software
SOF-GO	Government Software
SOF-HL	Health Services Software
SOF-IN	Insurance Software
SOF-LE	Legal Software
SOF-LI	Library Software
SOF-MA	Manufacturing Software
SOF-ME	Media Communications Software
SOF-NR	Natural Resource Management Software
SOF-NP	Non-Profit Org. Software
SOF-OA	Office Automation Software
SOF-PD	Program Development Software
SOF-PM	Project Management Software
SOF-PU	Public Utilities Software
SOF-RE	Real Estate Software
SOF-SM	Sales/Marketing Software
SOF-SR	Service Industry Software
SOF-SV	Software Services
SOF-TS	Technical/Scientific Software
SOF-TR	Transportation Software
SOF-UT	Utility Systems Software
SOF-WD	Warehousing/Distribution

**Defense (DEF)**

The following are the Sub Group codes and descriptions that are members of the Defense Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
DEF-AS	Antisubmarine Warfare Equipment
DEF-CC	Command/Control Equipment
DEF-GR	Defense Ground Support Equipment
DEF-WA	Defense Warning System
DEF-SV	Defense/Government Ser.
DEF-EW	Electronic Warfare Equipment
DEF-MI	Missiles & Related Equipment
DEF-OR	Ordnance System/Equip.
DEF-ZZ	Other Defense/Military
DEF-ST	Surveillance/Tracking Sys.
DEF-TS	Training/Simulation Equipment

**Energy (ENR)**

The following are the Sub Group codes and descriptions that are members of the Energy Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
ENR-AL	Alternative Energy Systems
ENR-CN	Conventional Energy Equipment
ENR-TR	Electl Power Transmission
ENR-EP	Electrical Power Sources
ENR-CO	Energy Conservation Equipment
ENR-EM	Energy Management Systems
ENR-SV	Energy Services
ENR-ST	Energy Storage Equipment
ENR-FU	Fuels
ENR-HV	HVAC Equipment
ENR-LI	Lighting Systems
ENR-ME	Meteorological Equipment
ENR-MI	Mining Equipment
ENR-OG	Oil/Gas Recovery Equipment
ENR-TB	Turbines

**Environmental (ENV)**

The following are the Sub Group codes and descriptions that are members of the Environmental Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
ENV-CP	Control/Prevention Equipment
ENV-AN	Environmental Analysis Equipment
ENV-SV	Environmental Services
ENV-ZZ	Other Environmental
ENV-TR	Treatment/Abatement Equipment
ENV-WD	Waste Disposal Equipment

**Manufacturing Equipment (MAN)**

The following are the Sub Group codes and descriptions that are members of the Manufacturing Equipment Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
MAN-AE	Aerospace Manufacturing Equipment
MAN-BP	Bio/Pharmaceutical Manufacturing Equipment
MAN-CH	Chemical Processing Equipment
MAN-CO	Computer Manufacturing Equipment
MAN-EL	Electrical Manufacturing Equipment
MAN-EP	Eltrnc/Photonic Manufacturing Equipment
MAN-MA	Materials Processing Equipment
MAN-SV	Mfg-Related Services
MAN-ZZ	Other Manufacturing Equipment

**Medical (MED)**

The following are the Sub Group codes and descriptions that are members of the Medical Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
MED-DE	Dental Equipment
MED-HA	Handicap Aids
MED-HH	Home Health Care Products
MED-IM	Implants/Prostheses
MED-RP	Med Reproduction Equipment
MED-DG	Medical Diagnostic Equipment
MED-MO	Medical Monitoring Equipment
MED-SV	Medical Services
MED-TH	Medical Therapeutic Equipment
MED-ZZ	Other Medical Equipment
MED-RE	Rehabilitation Devices
MED-SU	Surgical/Medical Equipment
MED-VT	Veterinary Equipment

**Pharmaceuticals (PHA)**

The following are the Sub Group codes and descriptions that are members of the Pharmaceuticals Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
PHA-AI	Anti-Infective Agents
PHA-AH	Antihistamine Drugs
PHA-AN	Antineoplastic Agents
PHA-AU	Autonomic Drugs
PHA-BL	Blood Products
PHA-CV	Cardiovascular Drugs
PHA-CN	Central Nervous Sys. Drugs
PHA-DI	Diagnostic Agents
PHA-EY	EENT Preparations
PHA-EX	Expectorants/Antitussives
PHA-GI	Gastrointestinal Drugs
PHA-HO	Hormones/Synthetic Subs
PHA-LA	Local Anesthetics
PHA-ME	Metabol/Water Bal Agents
PHA-ZZ	Other Pharmaceuticals
PHA-OC	Over-The-Counter Drugs
PHA-PA	Pharmaceutical Packaging
PHA-SV	Pharmaceutical Services
PHA-PU	Pulmonary Agents
PHA-RP	Reproductive Organ Drugs
PHA-SE	Serums & Related Agents
PHA-SK	Skin/Mucous Membrane Drugs
PHA-VT	Veterinary Pharmaceuticals
PHA-VI	Vitamins

**Photonics (PHO)**

The following are the Sub Group codes and descriptions that are members of the Photonics Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
PHO-AO	Acousto-Optic Equipment
PHO-CA	Cameras & Related Equipment
PHO-DI	Displays
PHO-FO	Fiber Optics & Related
PHO-LA	Lasers/Laser Related Equipment
PHO-OP	Optics & Related Equipment
PHO-OE	Optoelectronic Devices
PHO-SV	Photonics Services

**Subassemblies Components (SUB)**

The following are the Sub Group codes and descriptions that are members of the Subassemblies Components Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
SUB-CL	Electrical Connectors
SUB-EM	Electromechanical Devices
SUB-ET	Electron Tubes
SUB-CE	Electronic Connectors
SUB-ES	Electronic Subsystems
SUB-SV	Electronic Services
SUB-CM	Mechanical Connectors
SUB-ME	Mechanical Devices
SUB-PC	Passive Components
SUB-SE	Semiconductors/Devices
SUB-TR	Transducers

**Telecommunications & Internet (TEL)**

The following are the Sub Group codes and descriptions that are members of the Telecommunications & Internet Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
TEL-AV	Audio/Video Equipment
TEL-BR	Broadcasting/Receiving Equipment
TEL-CS	Comm Security Devices
TEL-CI	Communications Interfaces
TEL-DC	Data Concentration Equipment
TEL-EM	Electronic Mail Equipment
TEL-MX	Multiplexers/Modems
TEL-NW	Networks and Components
TEL-ZD	Other Data Communications Equipment
TEL-SM	Satellite/Microwave Equipment
TEL-SI	Signal-Related Equipment
TEL-TD	Telecom Distribution Equipment
TEL-SV	Telecommunication Ser.
TEL-TE	Telephone/Voice Equipment
TEL-TR	Transmission System/Equip.

**Test Measurement (TAM)**

The following are the Sub Group codes and descriptions that are members of the Test Measurement Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
TAM-AN	Analyzers
TAM-CA	Calibrators
TAM-CR	Counters/Recorders
TAM-DE	Detection Equipment
TAM-ME	Measurement Equipment
TAM-OS	Oscilloscopes
TAM-PV	Process Variable Ctrllers
TAM-SC	Scientific/Laboratory Equipment
TAM-SS	Security/Safety Equipment
TAM-SV	Test & Measurement Services

**Transportation (TRN)**

The following are the Sub Group codes and descriptions that are members of the Transportation Corp Tech Group.

<b><u>SG Code</u></b>	<b><u>Description</u></b>
TRN-PR	Air/Spacecraft Propulsion
TRN-AI	Aircraft
TRN-GS	Ground Support Equipment
TRN-GT	Ground Transportation Equipment
TRN-AS	Major Aircraft Systems
TRN-MA	Marine Systems/Equip.
TRN-ZZ	Other Transportation Equipment
TRN-SI	Signalling Equipment
TRN-SS	Space Systems
TRN-SP	Spacecraft/Space Vehicles
TRN-TC	Traffic Control Equipment
TRN-TS	Training/Simulation Equipment
TRN-SV	Transportation Services



**Appendix**

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## Appendix A - Estimated Hours

Req.	Design	Construction	Testing	Documentation	Tooling	Total
1.	<del>4.0</del> 0.0	<del>16.0</del> +12.0	<del>16.0</del> +8.0	<del>16.0</del> +8.0		<del>52.0</del> +28
7.	<del>3.0</del> -3.0	<del>3.0</del> -3.0	<del>4.0</del> -4.0	<del>4.0</del> -4.0		<del>14.0</del> -14
8.	<del>3.0</del> -3.0	<del>5.0</del> -5.0	<del>5.0</del> -5.0	<del>2.0</del> -2.0		<del>15.0</del> -15
11.		<del>12.0</del> +12.0	<del>8.0</del> +8.0	<del>6.0</del> +2.0		<del>34.0</del> +22
13.		<del>12.0</del> +12.0	<del>8.0</del> +8.0	<del>6.0</del> +2.0		<del>48.0</del> +22
14.	<del>4.0</del> -4.0	<del>12.0</del> -12.0	<del>12.0</del> -12.0	<del>6.0</del> -6.0		<del>34.0</del> -34
<b>Total Change</b>	<b>-10.0</b>	<b>+12.0</b>	<b>+3.0</b>	<b>0.0</b>		<b>+9.0</b>
<b>New Totals</b>	<del>83.0</del> 73.0	<del>196.0</del> 212.0	<del>173.0</del> 176.0	<del>108.0</del> 108.0	<del>—</del> 8.0	<del>568.0</del> 577.0

**Appendix B - Requirement Modifications**

Req.	Original Description	New Description and Comment	Date
1.	Insert four new pages at after the after the "External Commercial Assessment" page in the [Technology] table TT View.	The user has cut this down to three pages.	9/29/1999
7.	<p>Bring over the following fields from the Technology Patent View so the user can look at them in a "READ ONLY" mode.</p> <p>Patent Status Application SN Patent Number Application Title Application Filing Dt. Patent Issue Date</p> <p>NOTE: If the user has permissions for going to the Technology Patent View, they can use the blue pull down menu to switch to the Patent View.</p>	This requirement was removed by the customer.	9/27/1999
8.	<p>Create a new view into the License table that will be added to the second page of the commercialization section and will display the following fields :</p> <p>License App. Number Effective Termination</p> <p>Associate with this view a "New Window" button that will let a user access to the License table if the user has permissions.</p> <p>(See Appendix A for a mockup of view.)</p>	This requirement was removed by the customer.	9/27/1999

Req.	Original Description	New Description and Comment	Date
9.	Create a button on the second page of the commercialization screens that will open up a new window and list all the partnerships related to the technology.	The user has moved this button to the first page of the commercialization screens.	9/27/1999
11.	<p>Corp Tech Group &amp; Sub Group</p> <p>Create three new tables in NTTS to be used for the Corp Tech Group and Sub Group.</p> <p>The first table will store a three character CTG code and description.</p> <p>The second table will store the parent CTG Code, a two character SG Code and the description of the sub group.</p> <p>The third table will contain the Technology ID, the CTG Code and SG Code.</p>	The customer would like to have Corp Tech Group Codes associated with [People] and [Company] records.	9/27/1999
13.	<p>Create an interface that will allow a user to add or delete Corp Tech Groups and Sub Groups in a technology record.</p> <p>As part of this interface, create a view that will be placed on the third page of the commercialization section showing the following fields:</p> <p>CTG Code CTG Description SG Code SG Description</p> <p>(See Appendix A for a mockup of this view.)</p>	Since there will be a Corp Tech Group Codes for [People] and [Company] records, the same interface that is being created in the [Technology]Input.T form, will need to be created in [People]Input and [Company]Input.	10/01/1999

Req.	Original Description	New Description and Comment	Date
14.	<p>Create the following indicators to reflect the following information on any TOPS records associated with a technology record.</p> <p>Tech. Op. Sheet Avail. : YES, if there is one or more TOPS records for a technology. NO, if there are no TOPS records for a technology.</p> <p>Tech. Op Sheet Posted to Web: YES, if one or more TOPS records have been posted to the web for a technology. NO, if there are no TOPS records posted to the web for a technology record.</p> <p>Date Released to Web : The date a TOPS record was released to the web. If there were more than one TOPS records released to the web on a technology record, the first date out of the TOPS records will be displayed.</p> <p>Create a "New Window" button that will take the user to the list window for the TOPS Records associated with a technology record.</p>	<p>This requirement has been removed by the customer.</p>	9/27/1999
16.	<p>Create an interface that will allow a user to add, edit or delete Marketing Activities associated with a technology record.</p> <p>As part of this interface, create a view that will be placed on the fourth page of the commercialization section showing the following fields:</p> <ul style="list-style-type: none"><li>Type Of Activity</li><li>Location</li><li>Date</li><li>Comments</li></ul> <p>(See Appendix A for a mockup of this view.)</p>	<p>This view is now on the third page of the of the commercialization section.</p>	9/27/1999

Req.	Original Description	New Description and Comment	Date
17.	<p>Create an interface that will allow a user to add, edit or delete a Commercial Lead associated with a technology record.</p> <p>As part of this interface, create a view that will be placed on the fourth page of the commercialization section showing the following fields:  Company Name  Release Company Info  Company POC</p> <p>To support this view would need to add to the NASA Leads table the field for "Release Company Info".</p> <p>Associated with this view, a prompt that will flash in red "Sensitive Information" if one or more commercial leads have "Release Company Info" check "NO" in their lead record.</p> <p>(See Appendix A for a mockup of this view.)</p>	<p>This view is now on the third page of the of the commercialization section.</p> <p>The customer would like a "New Window" button added to this area so the user can go to the [NASA_Leads] table while still in the technology record.</p>	<p>9/27/1999</p> <p>3/1/2000</p>
18.	<p>Create an interface that will allow a user to add, edit or delete publications associated with a technology record.</p> <p>As part of this interface, create a view that will be placed on the forth page of the commercialization section showing the following fields:  Name of Publication  Date  Time  Hardcopy Available</p> <p>To support this view, would need to add to the publications table a field for "Hardcopy Available".</p> <p>(See Appendix A for a mockup of this view.)</p>	<p>This view is now on the third page of the of the commercialization section.</p>	<p>9/27/1999</p>